

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028517.D
 Acq On : 06 Dec 2018 21:36
 Operator : MD/SY
 Sample : J6252-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:20 AM

Quant Time: Dec 07 07:01:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	90443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	162786	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	155277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	74809	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
35) Dibromofluoromethane	4.88	113	54682	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
50) Toluene-d8	7.57	98	218919	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
62) 4-Bromofluorobenzene	10.30	95	81063	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	61684	50.883	ug/l 99
3) Chloromethane	1.33	50	111438	50.001	ug/l 100
4) Vinyl Chloride	1.41	62	82726	51.434	ug/l 100
5) Bromomethane	1.62	94	31144	48.069	ug/l 96
6) Chloroethane	1.70	64	47403	52.060	ug/l 99
7) Trichlorofluoromethane	1.89	101	86602	51.177	ug/l 98
8) Diethyl Ether	2.10	74	38646	48.813	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	49874	49.280	ug/l 98
10) Methyl Iodide	2.41	142	41235	51.926	ug/l 100
11) Tert butyl alcohol	2.82	59	76856	249.932	ug/l 99
12) 1,1-Dichloroethene	2.29	96	50035	49.688	ug/l 96
13) Acrolein	2.20	56	61501	250.879	ug/l 100
14) Allyl chloride	2.59	41	118552	49.766	ug/l 98
15) Acrylonitrile	2.94	53	229727	269.084	ug/l 99
16) Acetone	2.32	43	179702	199.523	ug/l 100
17) Carbon Disulfide	2.48	76	179794	49.562	ug/l 99
18) Methyl Acetate	2.61	43	123076	52.715	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	196435	51.459	ug/l 98
20) Methylene Chloride	2.70	84	64309	48.436	ug/l 99
21) trans-1,2-Dichloroethene	2.98	96	56579	49.903	ug/l 98
22) Diisopropyl ether	3.57	45	245625	53.022	ug/l 99
23) Vinyl Acetate	3.52	43	983623	257.418	ug/l 99
24) 1,1-Dichloroethane	3.45	63	124040	51.152	ug/l 99
25) 2-Butanone	4.26	43	311433	253.026	ug/l 100
26) 2,2-Dichloropropane	4.23	77	90837	47.276	ug/l 100
27) cis-1,2-Dichloroethene	4.23	96	64868	50.549	ug/l 100
28) Bromochloromethane	4.55	49	61804	56.064	ug/l 96
29) Tetrahydrofuran	4.64	42	215474	272.582	ug/l 98
30) Chloroform	4.67	83	108918	51.535	ug/l 98
31) Cyclohexane	5.00	56	122376	51.756	ug/l 98
32) 1,1,1-Trichloroethane	4.92	97	89351	50.903	ug/l 98
36) 1,1-Dichloropropene	5.14	75	87612	49.183	ug/l 100
37) Ethyl Acetate	4.38	43	117231	50.909	ug/l 99
38) Carbon Tetrachloride	5.13	117	71655	49.907	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	103086	47.435	ug/l	98
40) Benzene	5.39	78	263603	50.244	ug/l	97
41) Methacrylonitrile	4.54	41	68510	54.326	ug/l	98
42) 1,2-Dichloroethane	5.40	62	93051	50.669	ug/l	99
43) Isopropyl Acetate	5.55	43	187935	51.599	ug/l	98
44) Trichloroethene	6.19	130	56967	48.834	ug/l	98
45) 1,2-Dichloropropane	6.43	63	74792	50.695	ug/l	98
46) Dibromomethane	6.56	93	44098	50.377	ug/l	100
47) Bromodichloromethane	6.76	83	84600	49.665	ug/l	98
48) Methyl methacrylate	6.62	41	96555	53.307	ug/l	98
49) 1,4-Dioxane	6.61	88	27874	974.617	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	600712	261.496	ug/l	99
52) Toluene	7.64	92	154985	50.195	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	101810	50.184	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	107680	48.923	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	61688	50.542	ug/l	96
56) Ethyl methacrylate	8.02	69	107218	51.298	ug/l	98
57) 1,3-Dichloropropane	8.24	76	113951	50.295	ug/l	100
59) 2-Hexanone	8.36	43	452845	248.708	ug/l	100
60) Dibromochloromethane	8.48	129	58610	49.047	ug/l	99
61) 1,2-Dibromoethane	8.58	107	65593	51.248	ug/l	99
64) Tetrachloroethene	8.23	164	46475	44.872	ug/l	98
65) Chlorobenzene	9.12	112	158983	48.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53319	50.462	ug/l	98
67) Ethyl Benzene	9.25	91	294313	48.386	ug/l	100
68) m/p-Xylenes	9.37	106	216965	98.027	ug/l	99
69) o-Xylene	9.78	106	105936	49.252	ug/l	100
70) Stvrene	9.79	104	173632	48.779	ug/l	99
71) Bromoform	9.96	173	43566	48.469	ug/l #	98
73) Isopropylbenzene	10.16	105	278506	46.113	ug/l	100
74) N-amyl acetate	10.01	43	160302	46.013	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	111672	48.133	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	92111m	45.830	ug/l	
77) Bromobenzene	10.45	156	65009	46.024	ug/l	98
78) n-propylbenzene	10.58	91	349354	46.551	ug/l	99
79) 2-Chlorotoluene	10.66	91	202742	46.899	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	235857	47.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	40721m	49.816	ug/l	
82) 4-Chlorotoluene	10.77	91	235689	46.008	ug/l	100
83) tert-Butylbenzene	11.10	119	222775	46.231	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	239309	46.447	ug/l	100
85) sec-Butylbenzene	11.32	105	289028	46.689	ug/l	100
86) p-Isopropyltoluene	11.47	119	238961	45.442	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	119374	44.756	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	121146	43.901	ug/l	100
89) n-Butylbenzene	11.89	91	242420	45.551	ug/l	100
90) Hexachloroethane	12.14	117	38084	47.915	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	119188	44.674	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24158	48.096	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	82195	44.921	ug/l	100

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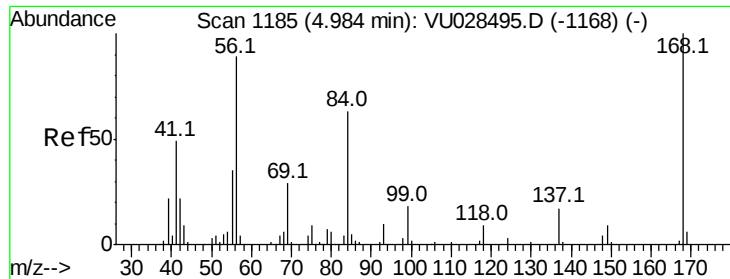
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	36960	42.292	ug/l	97
95) Naphthalene	13.74	128	290864	45.433	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	83195	45.609	ug/l	100

(#) = 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: VU028517.D

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Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:168 Resp: 90443

Ion Ratio Lower Upper

168 100

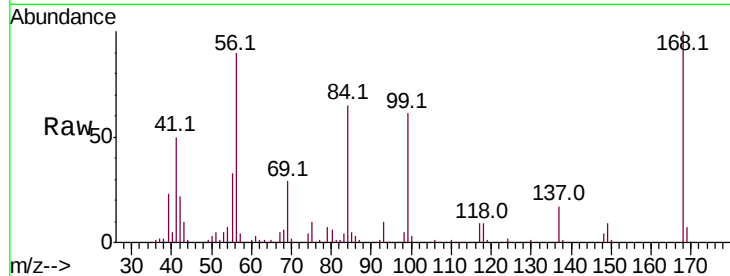
99 60.6 46.6 69.8

Manual Integrations

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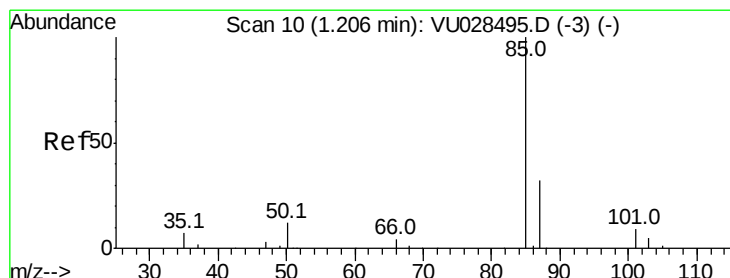
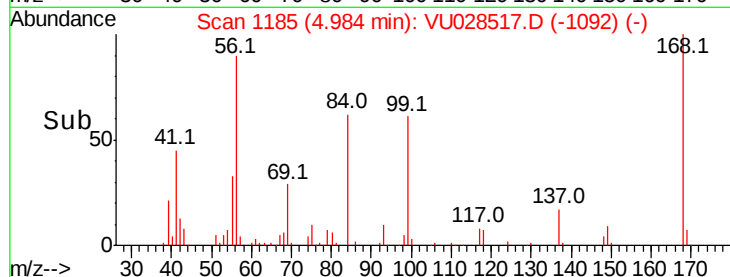
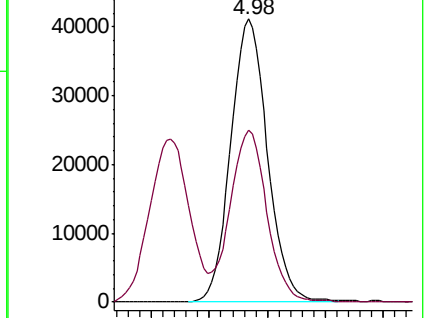
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 50.883 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028517.D

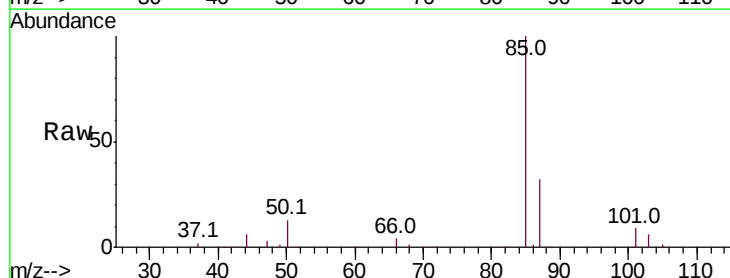
Acq: 06 Dec 2018 21:36

Tgt Ion: 85 Resp: 61684

Ion Ratio Lower Upper

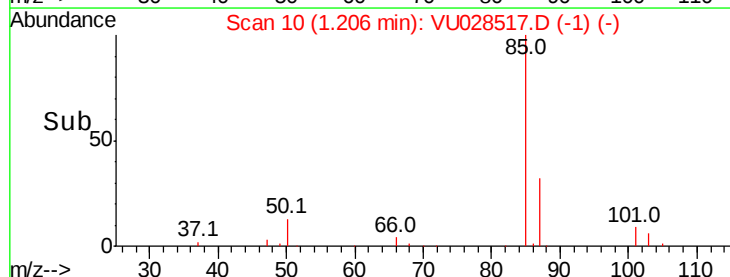
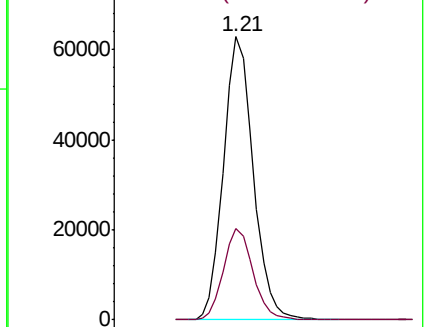
85 100

87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 50.001 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

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Tot Ion: 50 Resp: 111438

Ion Ratio Lower Upper

50 100

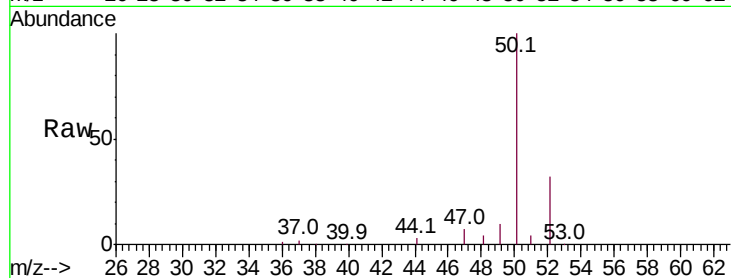
52 31.8 25.5 38.3

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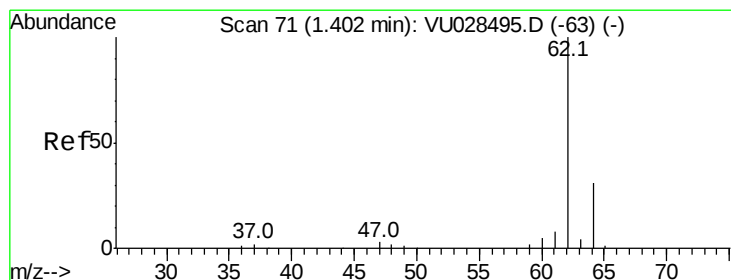
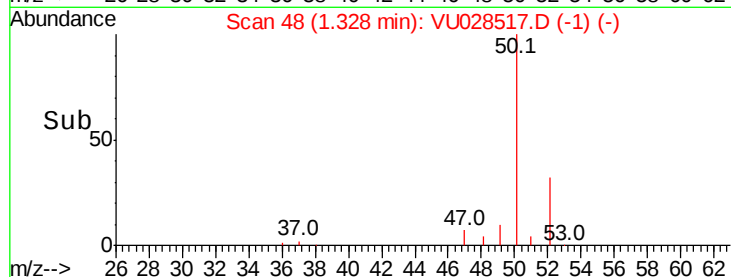
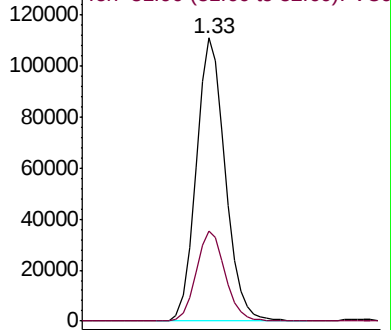
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.434 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028517.D

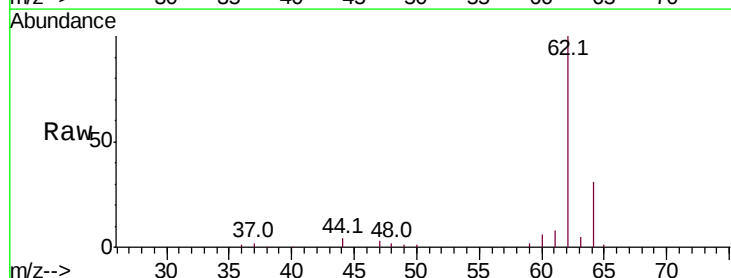
Acq: 06 Dec 2018 21:36

Tgt Ion: 62 Resp: 82726

Ion Ratio Lower Upper

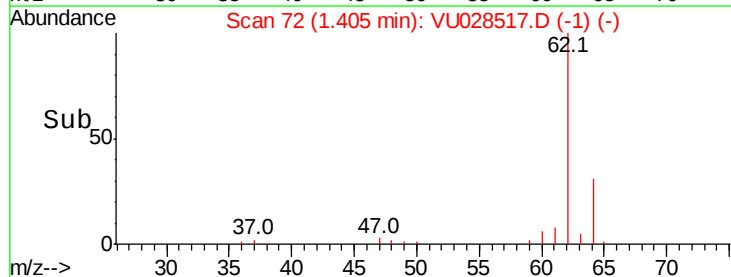
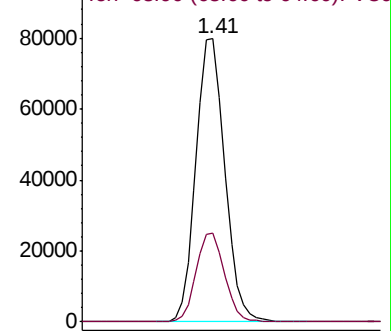
62 100

64 31.2 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: 48.069 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

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Tot Ion: 94 Resp: 31144

Ion Ratio Lower Upper

94 100

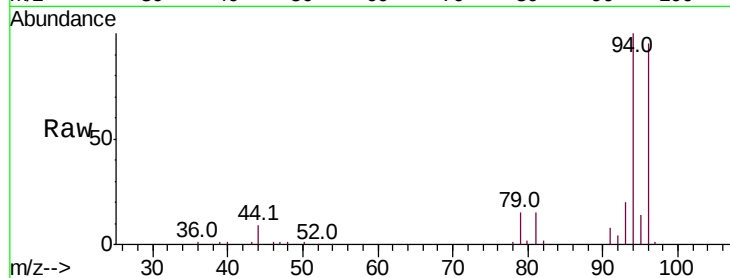
96 95.3 73.2 109.8

Manual Integrations

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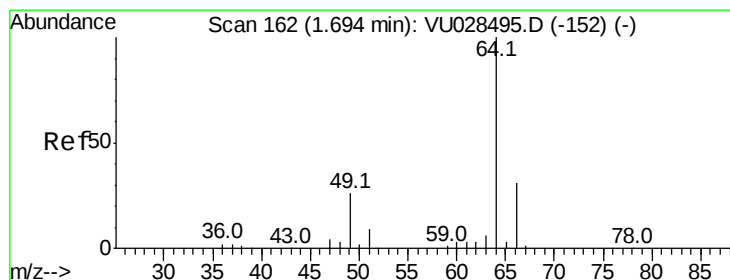
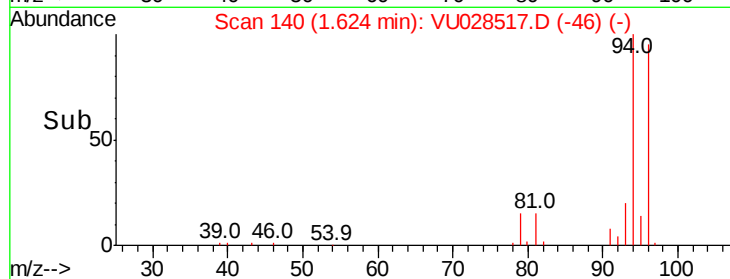
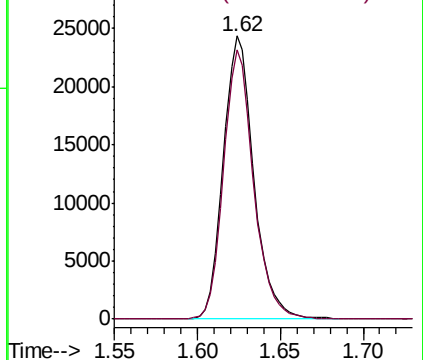
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 52.060 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU028517.D

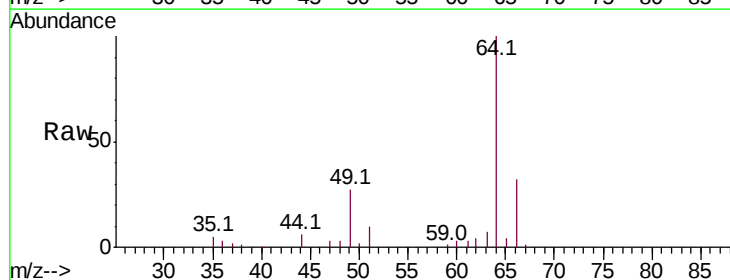
Acq: 06 Dec 2018 21:36

Tgt Ion: 64 Resp: 47403

Ion Ratio Lower Upper

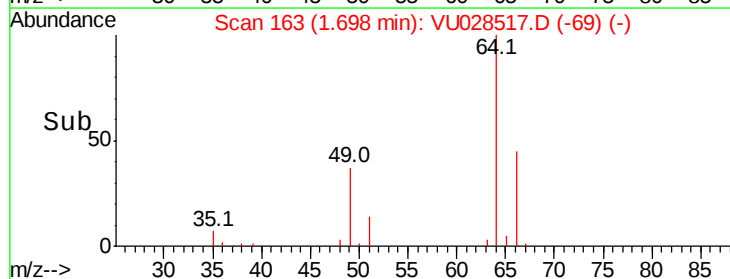
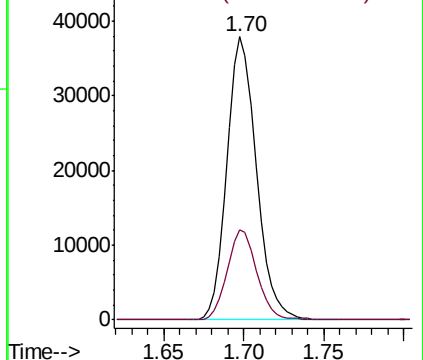
64 100

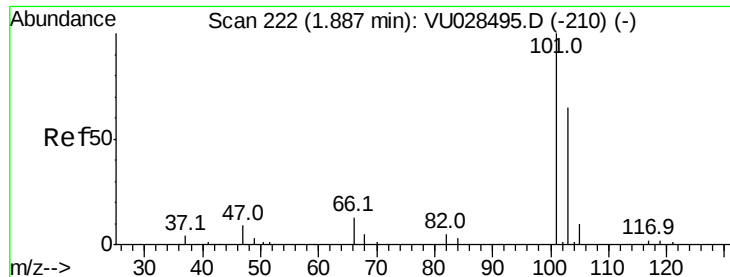
66 32.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

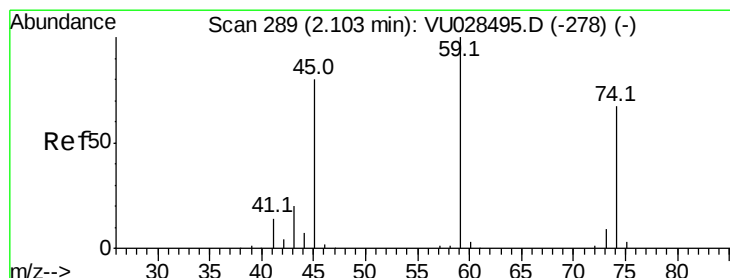
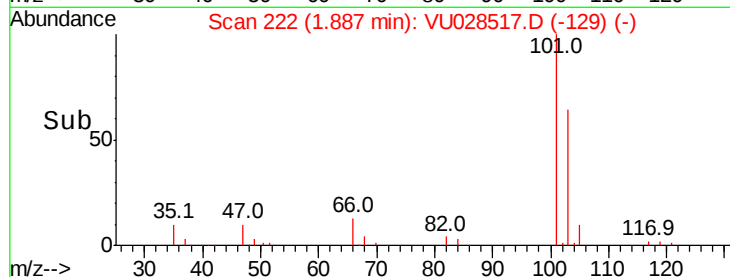
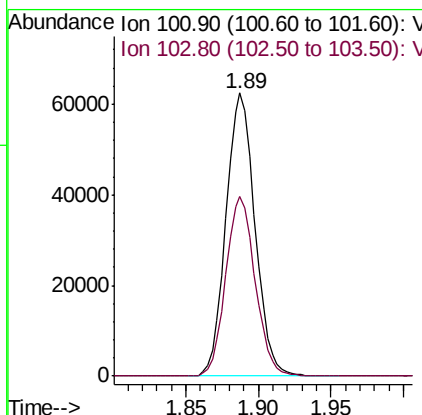
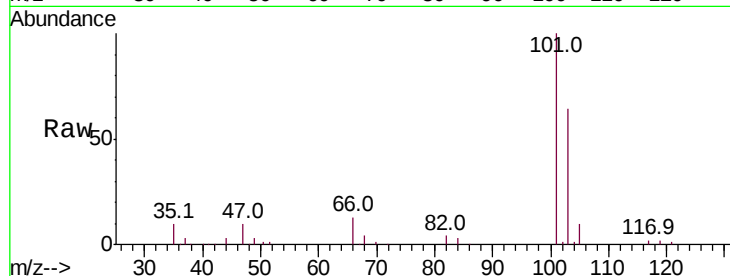
Trichlorofluoromethane
 Concen: 51.177 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

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Tot Ion:101 Resp: 86602
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.3 78.5

Manual Integrations
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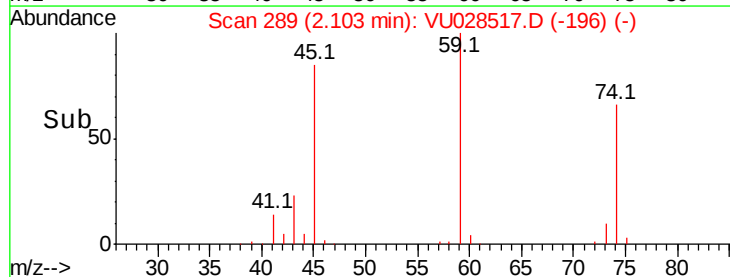
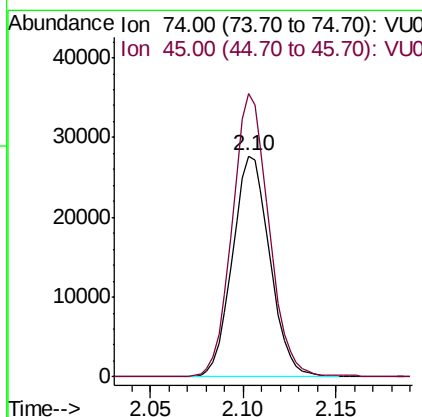
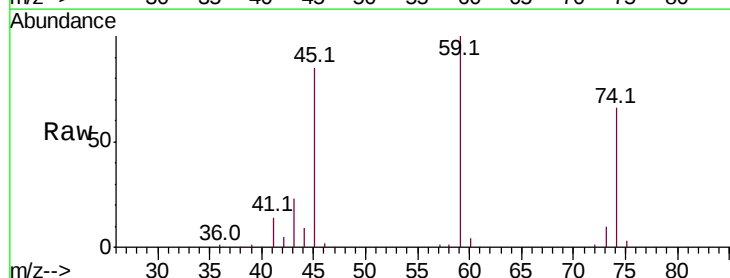
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 12/7/2018 10:35:20 AM



#8

Diethyl Ether
 Concen: 48.813 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 74 Resp: 38646
 Ion Ratio Lower Upper
 74 100
 45 126.5 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.280 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

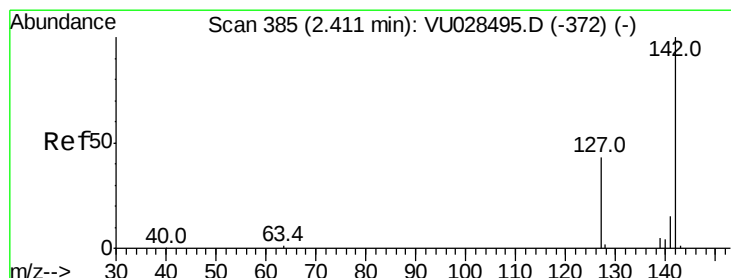
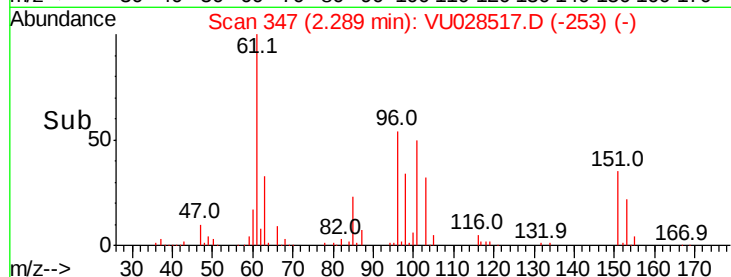
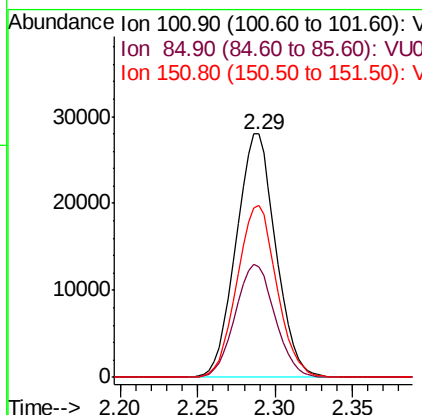
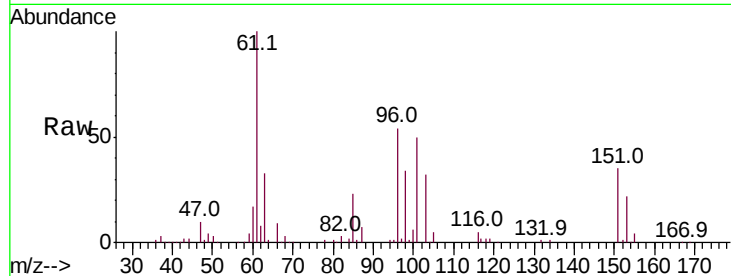
ClientSampleId :

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Tot Ion:	101	Resp:	49874
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.4	54.6
151	70.7	58.2	87.2

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#10

Methyl Iodide

Concen: 51.926 ug/l

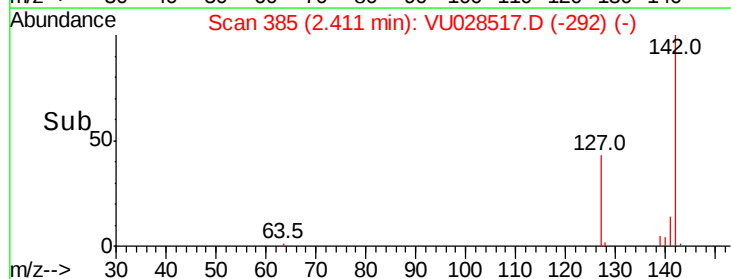
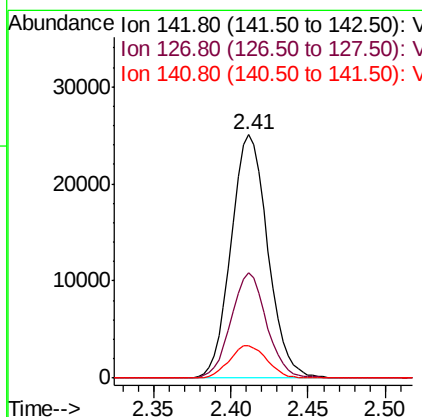
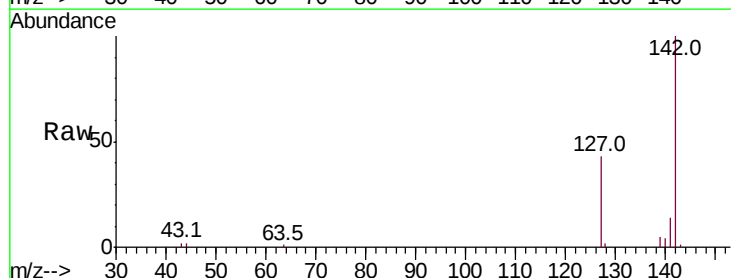
RT: 2.41 min Scan# 385

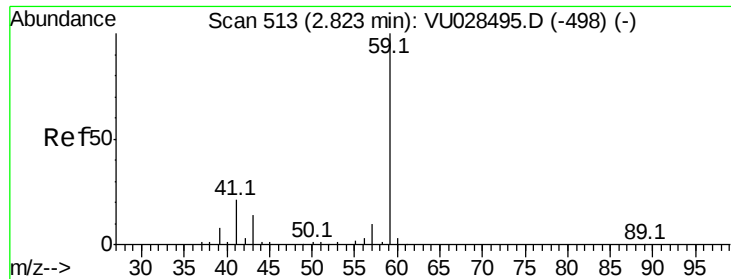
Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion:	142	Resp:	41235
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.5	50.3
141	13.6	11.2	16.8





#11

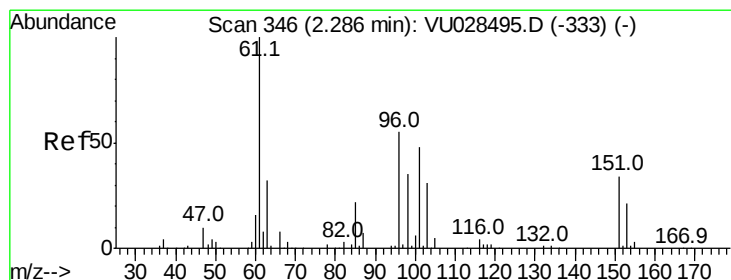
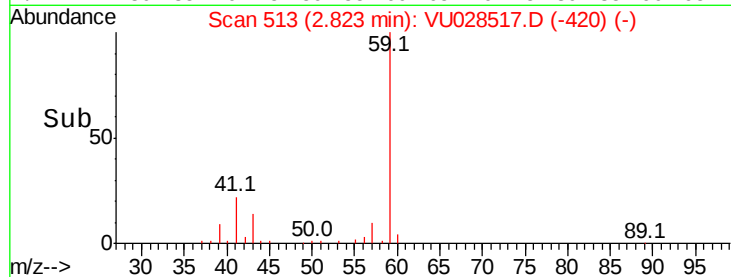
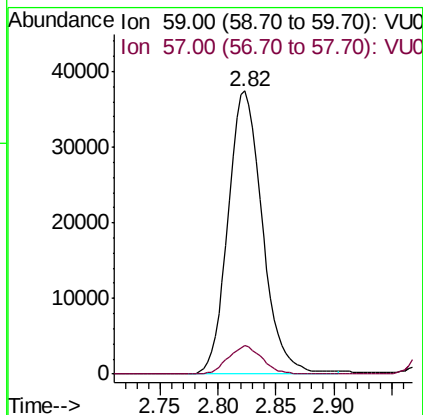
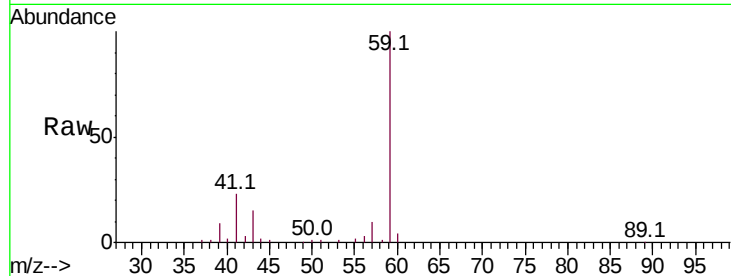
Tert butyl alcohol
Concen: 249.932 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.0	12.0

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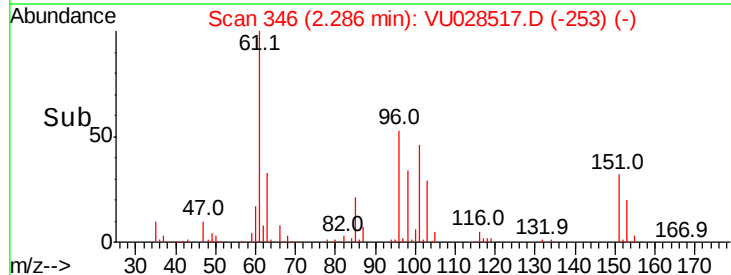
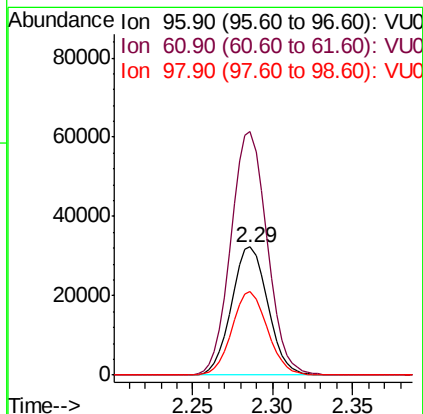
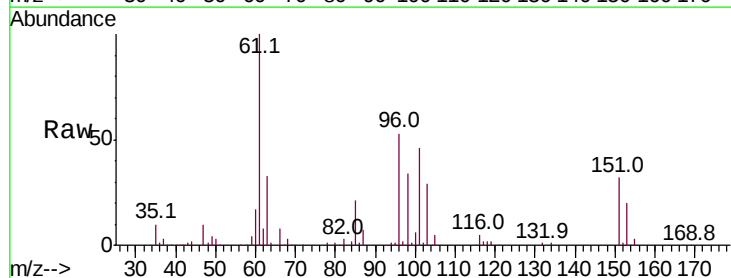
MMDadoda
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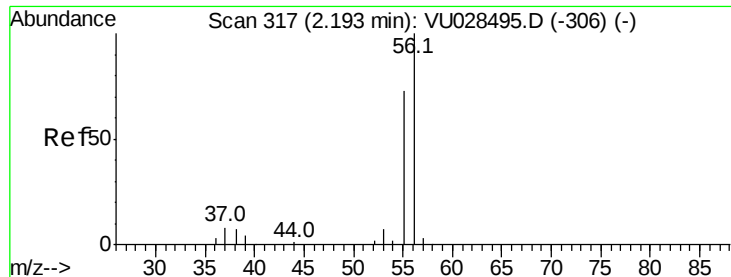


#12

1,1-Dichloroethene
Concen: 49.688 ug/l
RT: 2.29 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.7	146.4	219.6
98	65.2	51.8	77.8





#13

Acrolein

Concen: 250.879 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 56 Resp: 61501

Ion Ratio Lower Upper

56 100

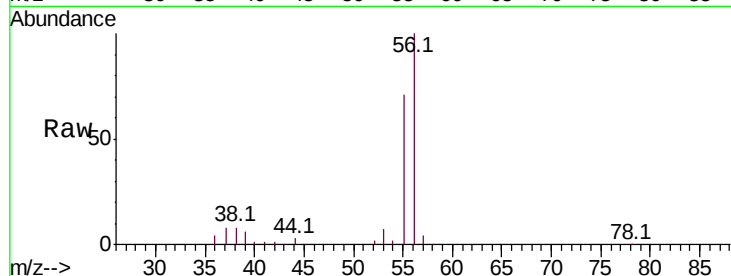
55 71.5 57.5 86.3

Manual Integrations

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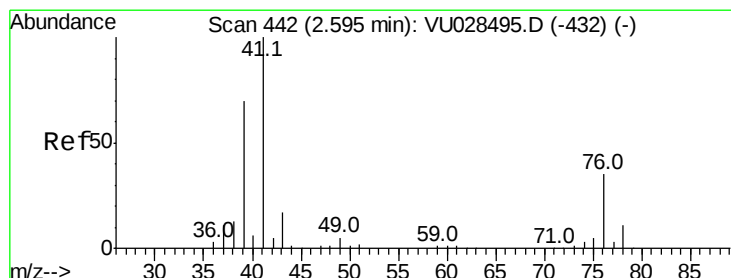
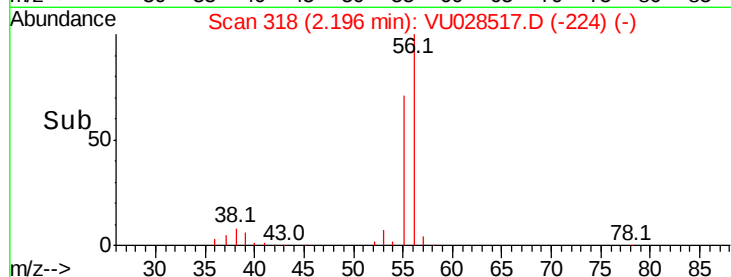
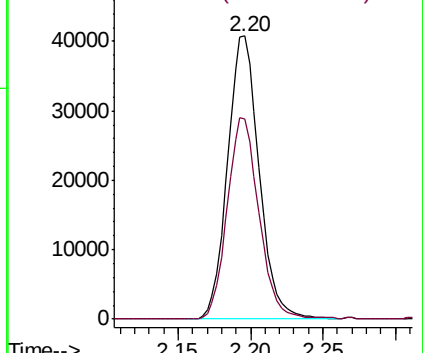
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 49.766 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

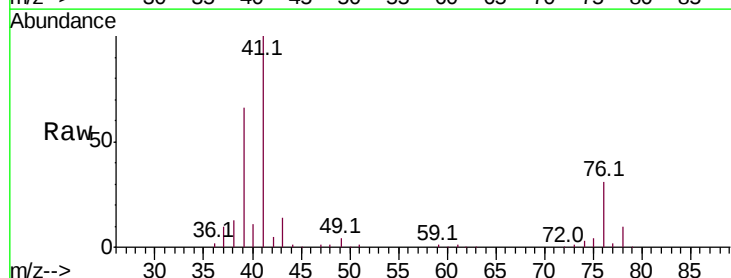
Tgt Ion: 41 Resp: 118552

Ion Ratio Lower Upper

41 100

39 65.0 50.8 76.2

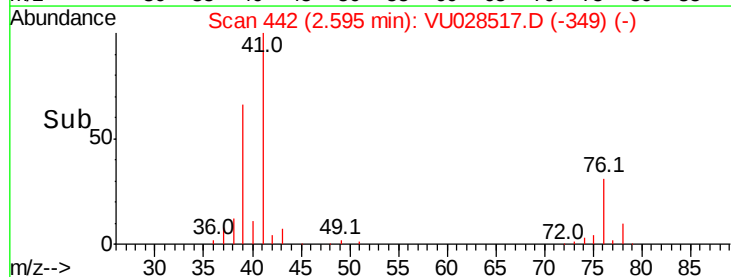
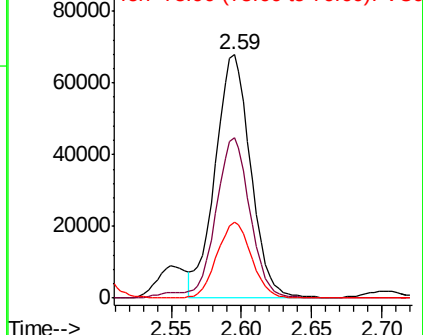
76 30.4 24.8 37.2

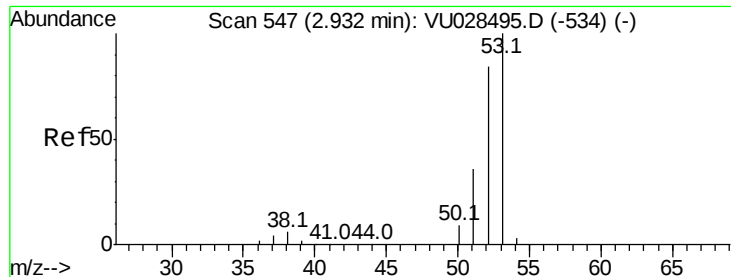


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 269.084 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

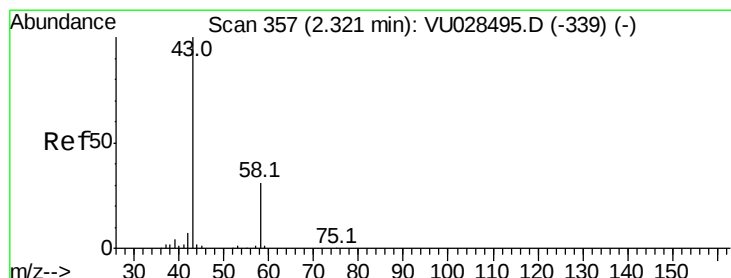
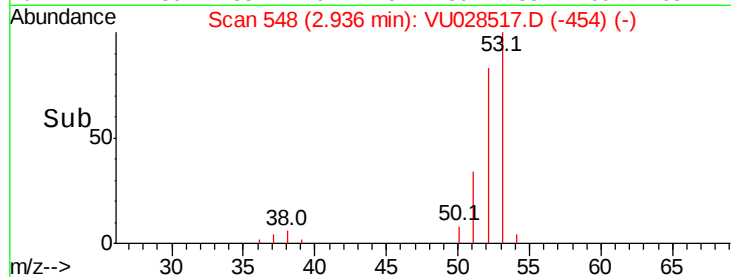
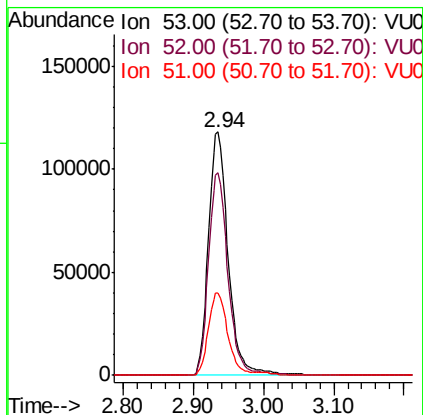
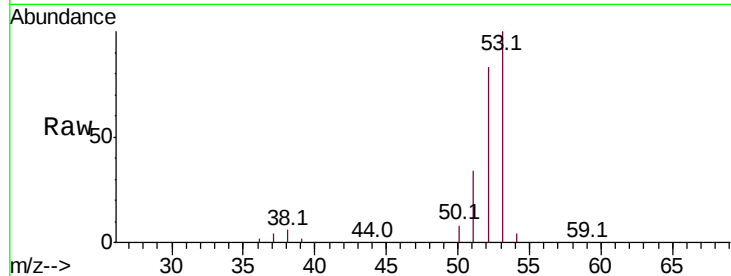
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	53	Resp:	229727
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.1	99.1
51	34.4	28.1	42.1

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#16

Acetone

Concen: 199.523 ug/l

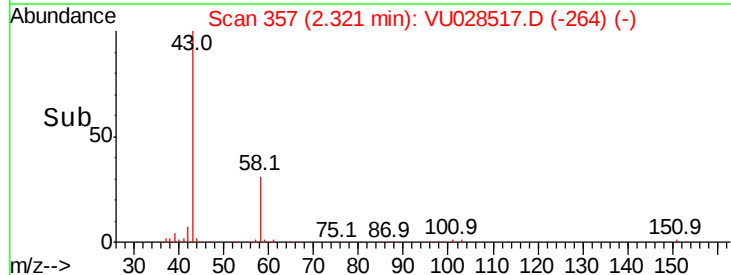
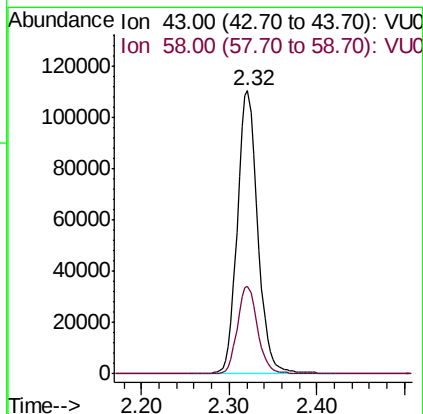
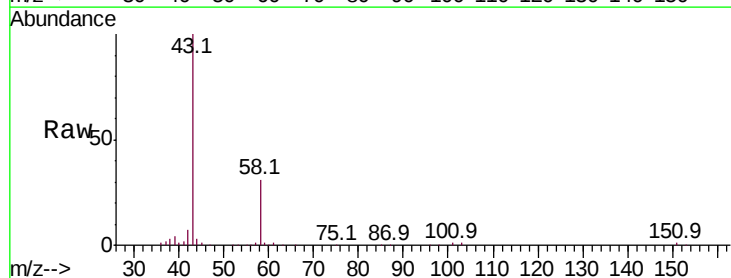
RT: 2.32 min Scan# 357

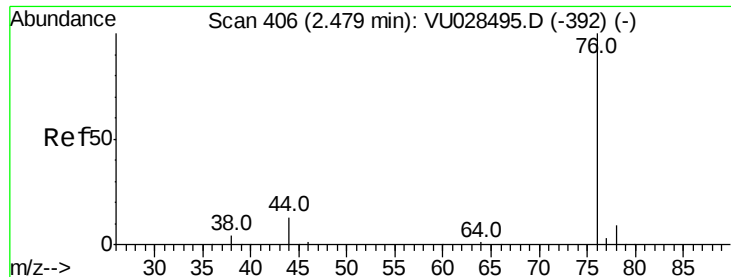
Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion:	43	Resp:	179702
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.6	37.0





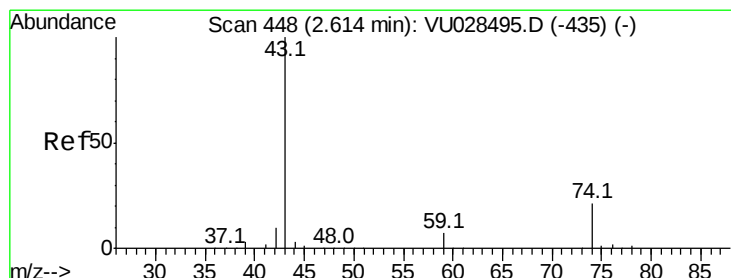
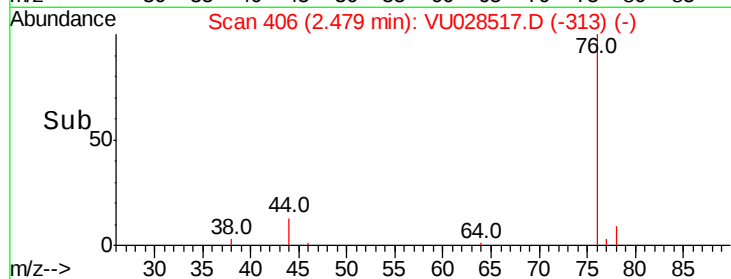
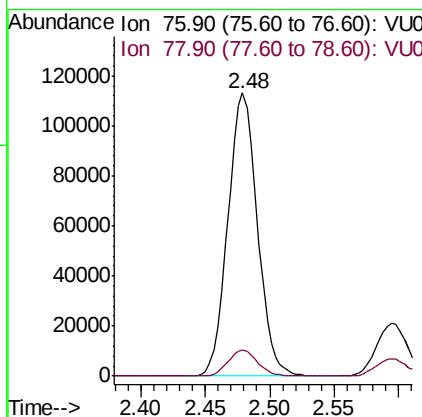
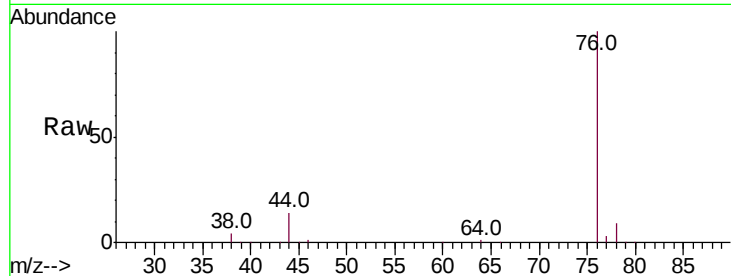
#17
Carbon Disulfide
Concen: 49.562 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 76 Resp: 179794
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

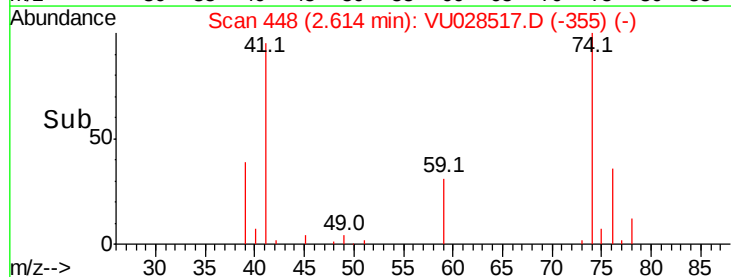
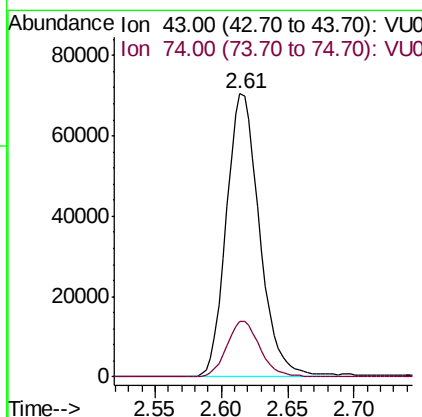
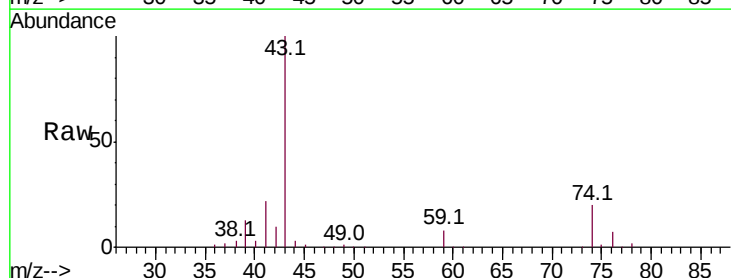
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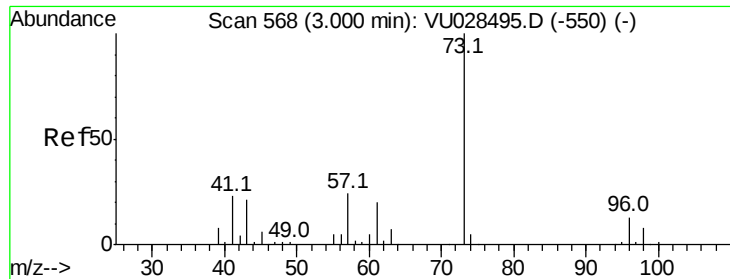
MMDadoda
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#18
Methyl Acetate
Concen: 52.715 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 43 Resp: 123076
Ion Ratio Lower Upper
43 100
74 19.7 16.4 24.6





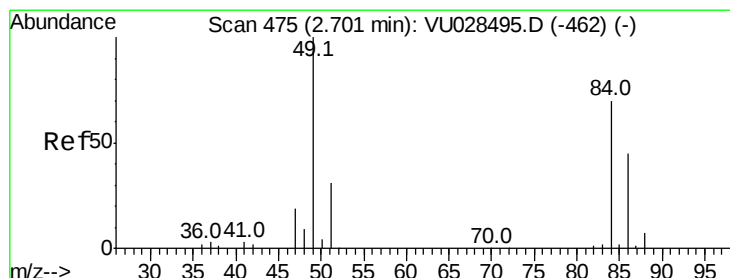
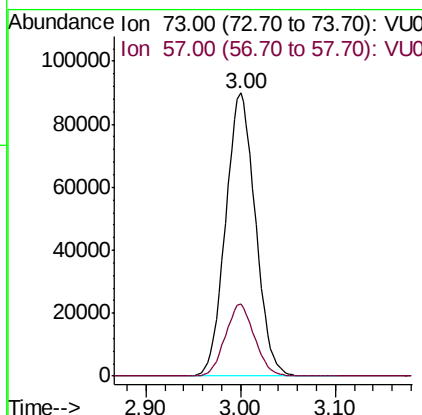
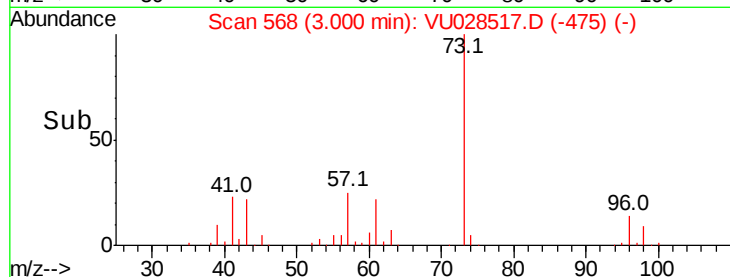
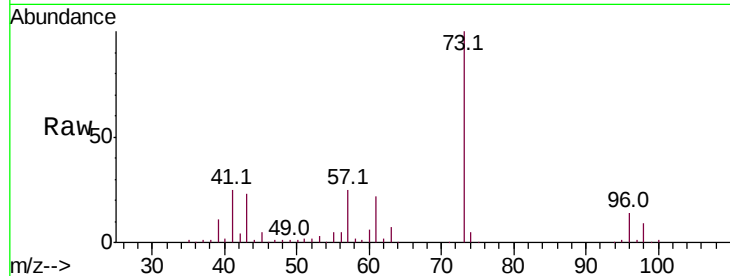
#19
Methvl tert-butvl Ether
Concen: 51.459 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 73 Resp: 196435
Ion Ratio Lower Upper
73 100
57 25.5 19.4 29.2

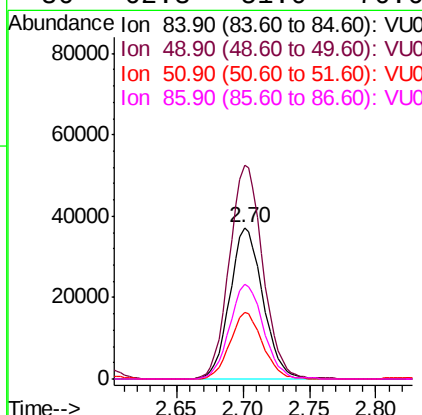
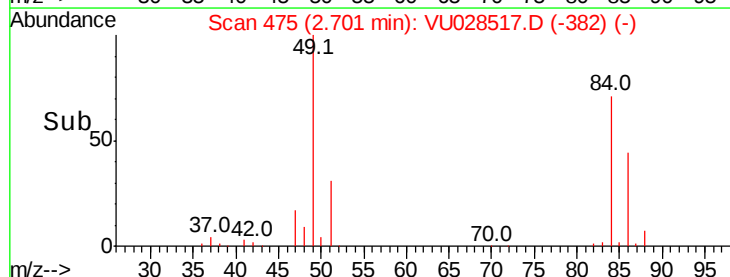
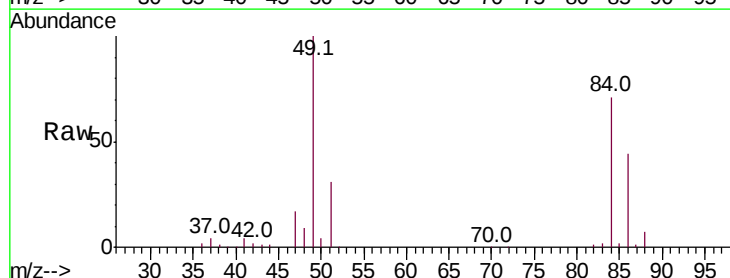
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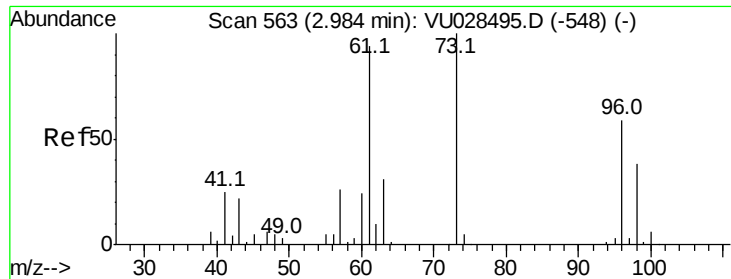
MMDadoda
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#20
Methylene Chloride
Concen: 48.436 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 84 Resp: 64309
Ion Ratio Lower Upper
84 100
49 141.3 114.0 171.0
51 43.8 35.1 52.7
86 62.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.903 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 96 Resp: 56579

Ion Ratio Lower Upper

96 100

61 161.5 127.0 190.4

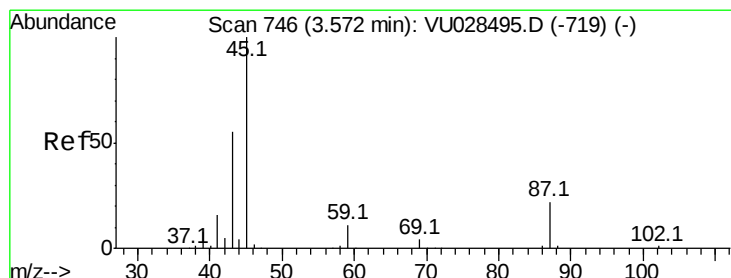
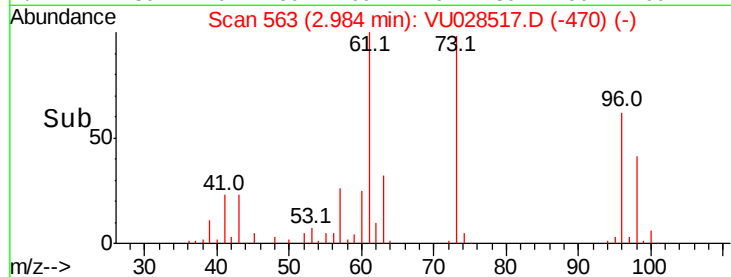
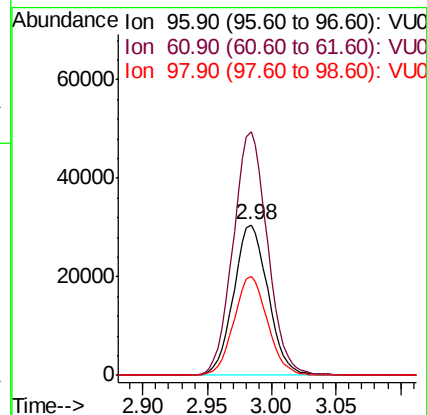
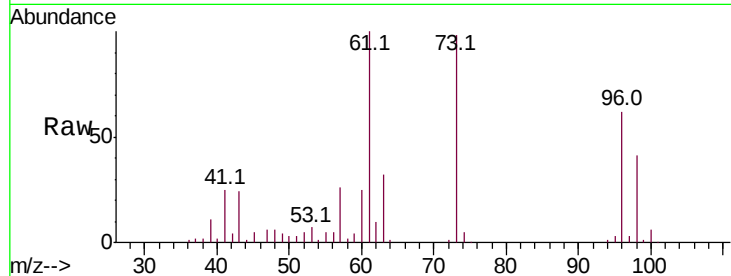
98 66.1 51.9 77.9

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#22

Diisopropyl ether

Concen: 53.022 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion: 45 Resp: 245625

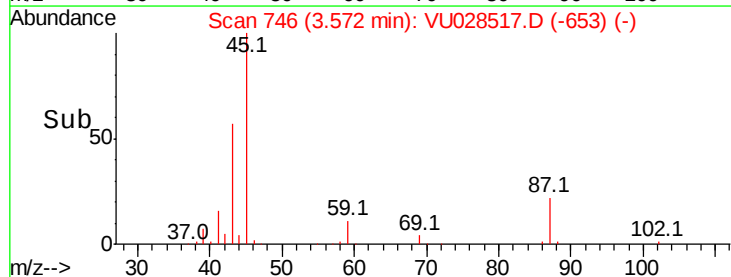
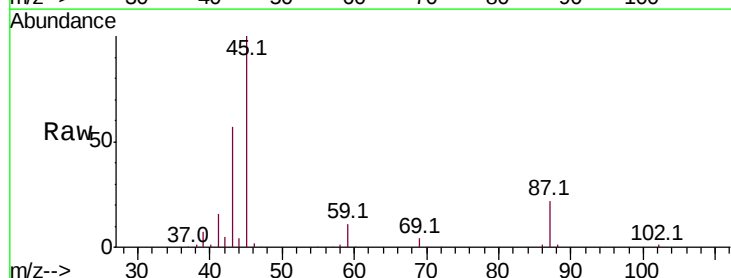
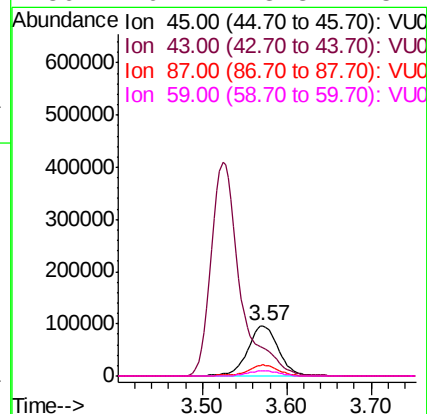
Ion Ratio Lower Upper

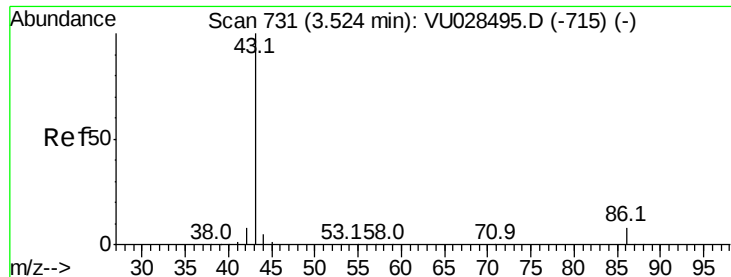
45 100

43 55.9 45.3 67.9

87 21.9 17.6 26.4

59 10.7 8.8 13.2





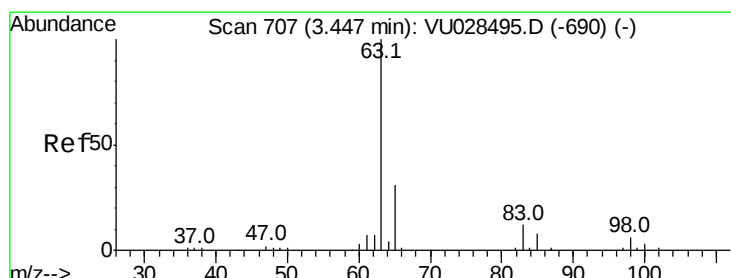
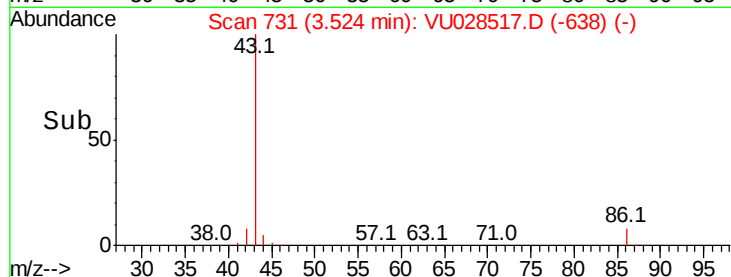
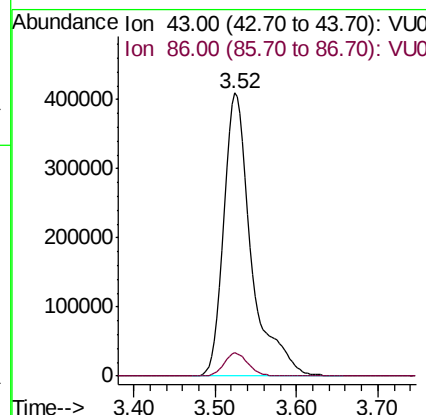
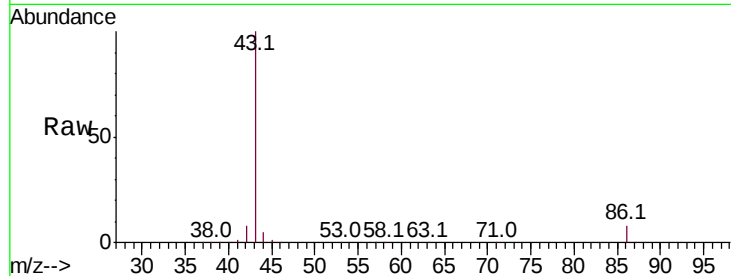
#23
 Vinyl Acetate
 Concen: 257.418 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 983623
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.8 10.2

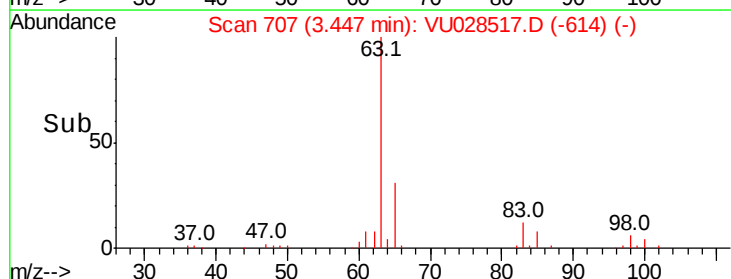
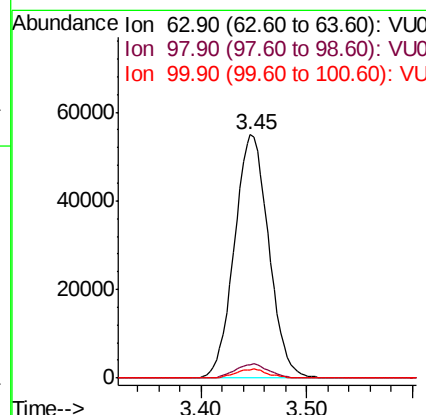
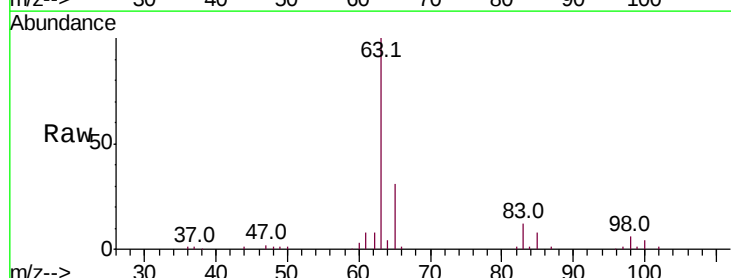
Manual Integrations
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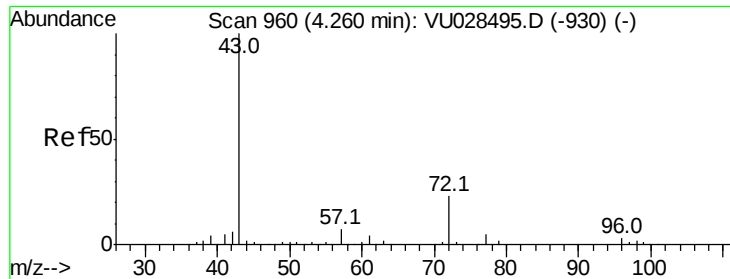
MMDadoda
 12/7/2018 10:35:20 AM



#24
 1,1-Dichloroethane
 Concen: 51.152 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 63 Resp: 124040
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 3.5 1.7 5.1





#25

2-Butanone

Concen: 253.026 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 311433

Ion Ratio Lower Upper

43 100

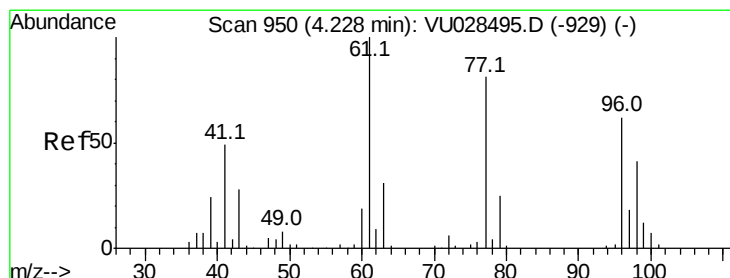
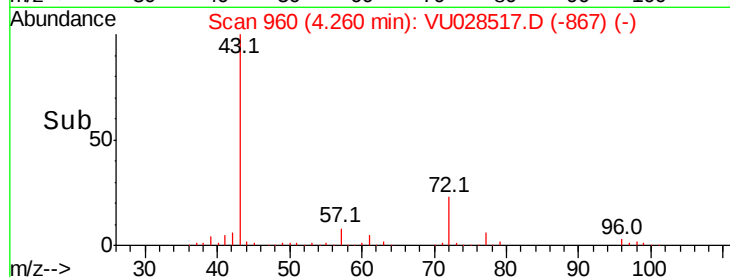
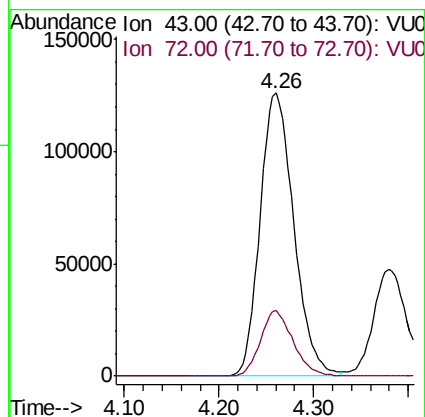
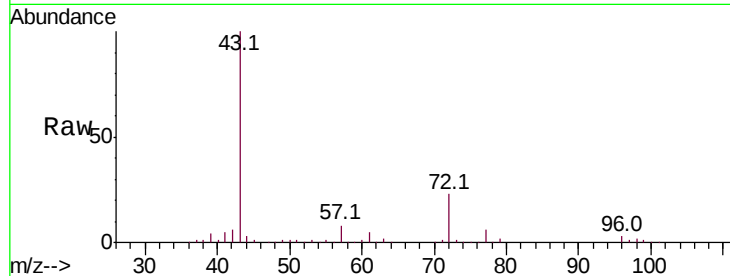
72 23.1 18.6 28.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 47.276 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028517.D

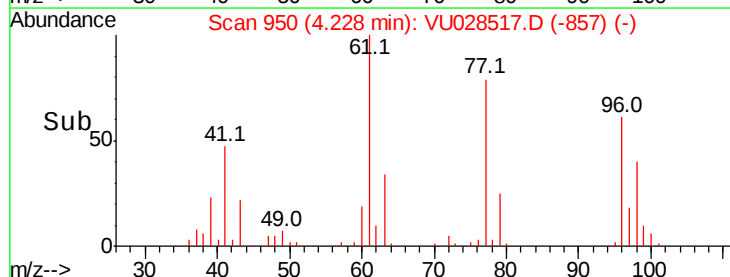
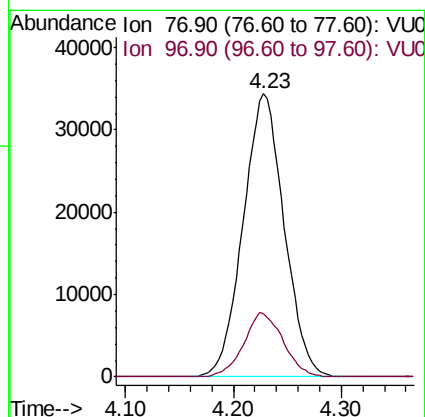
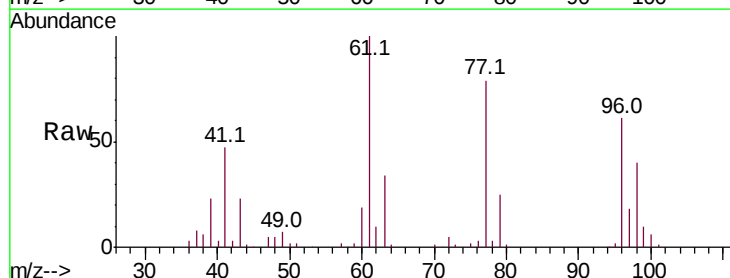
Acq: 06 Dec 2018 21:36

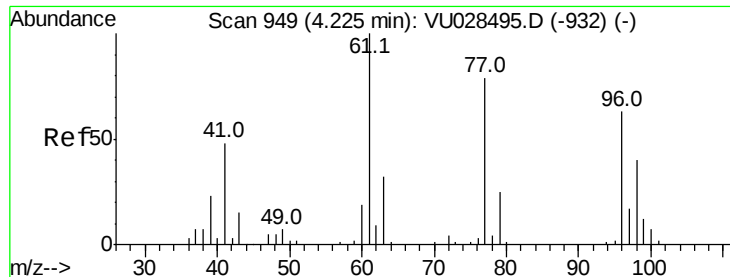
Tgt Ion: 77 Resp: 90837

Ion Ratio Lower Upper

77 100

97 21.8 11.0 33.0





#27

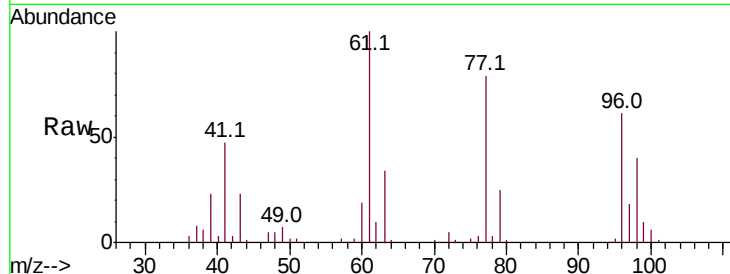
cis-1,2-Dichloroethene
Concen: 50.549 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	332.4
98	64.8	0.0	129.0

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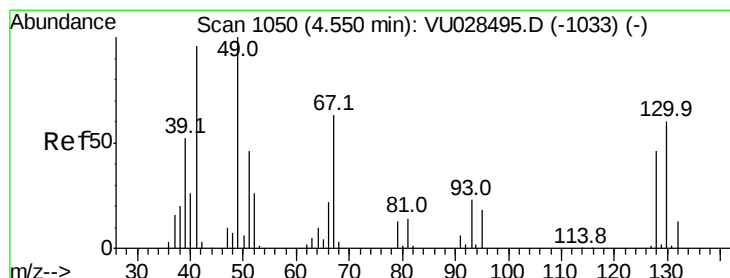
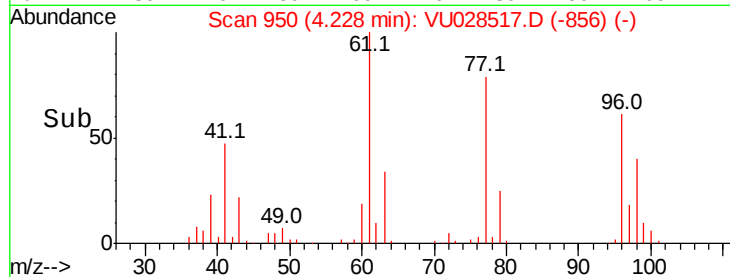
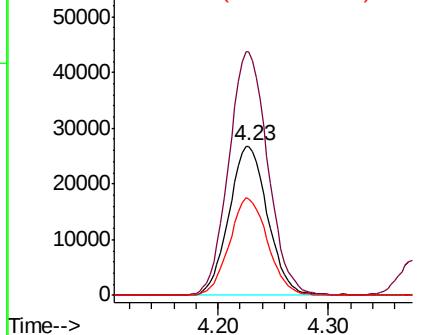


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

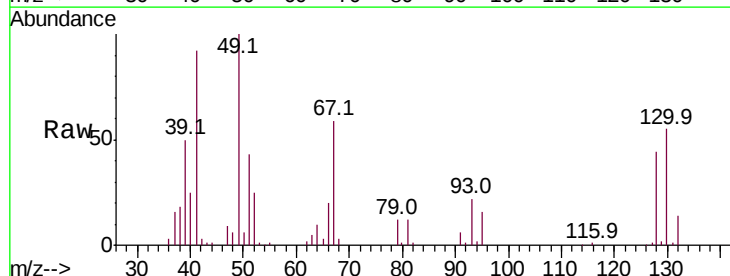
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 56.064 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	56.4	47.8	71.8

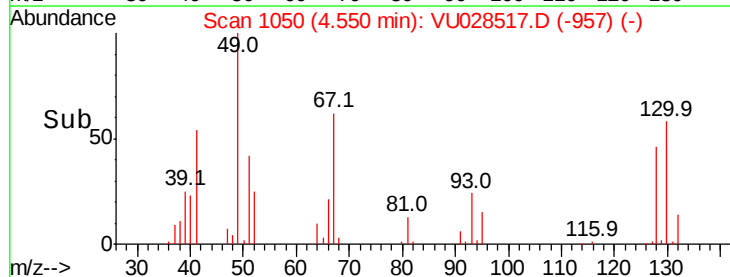
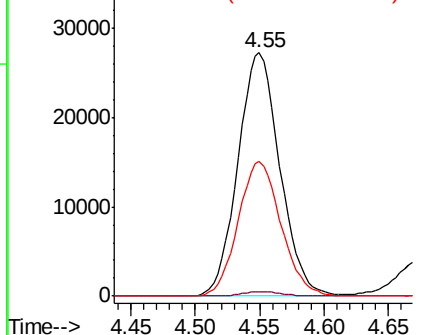


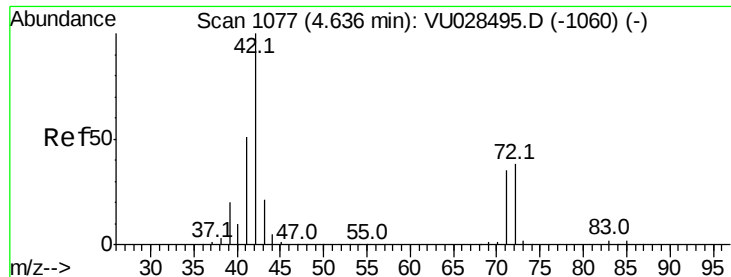
Abundance

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





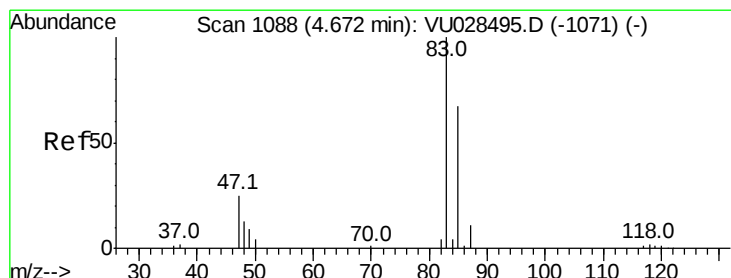
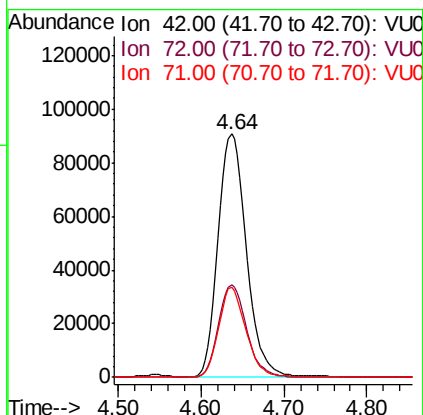
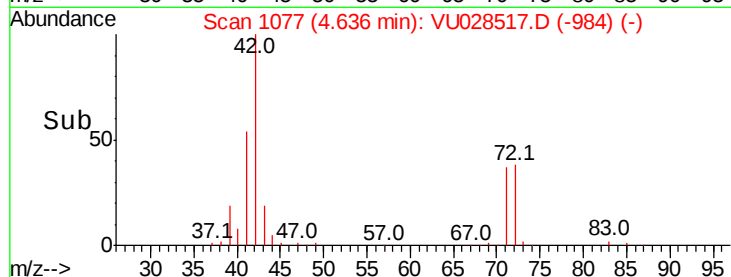
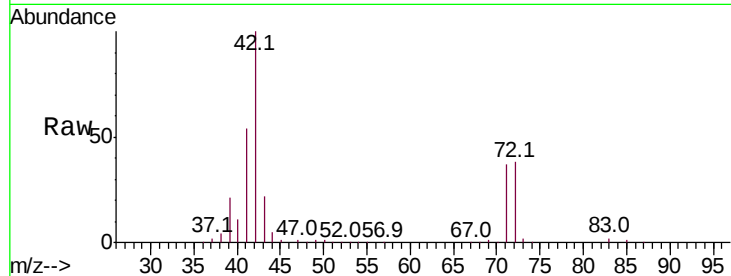
#29
Tetrahydrofuran
Concen: 272.582 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.4	47.0
71	35.5	28.6	43.0

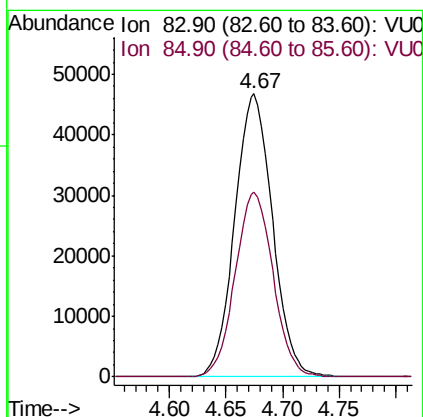
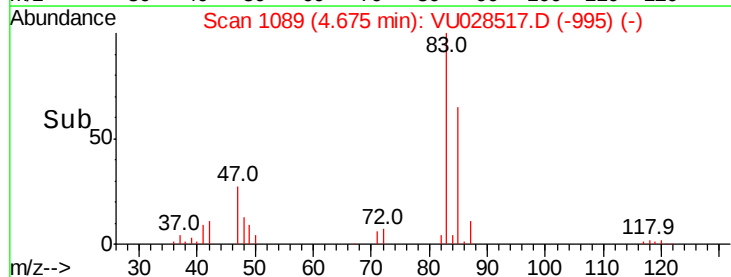
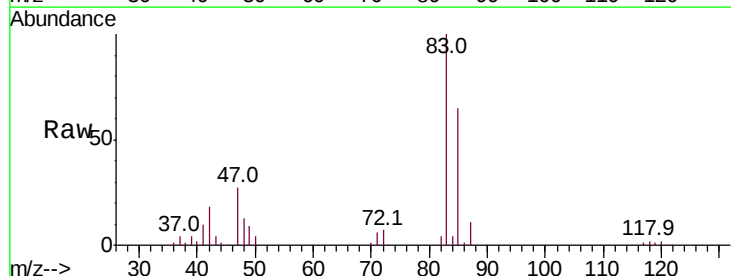
Manual Integrations
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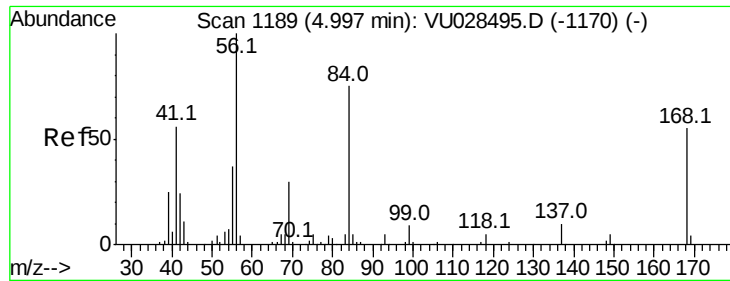
MMDadoda
12/7/2018 10:35:20 AM



#30
Chloroform
Concen: 51.535 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.6	80.4





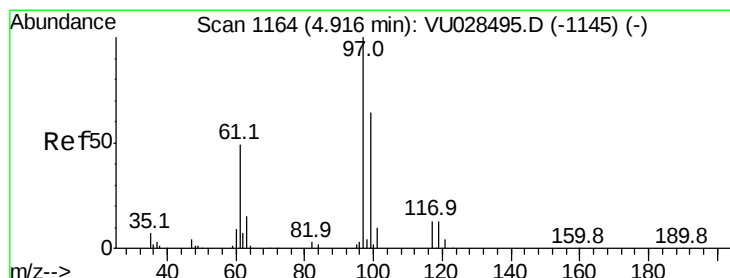
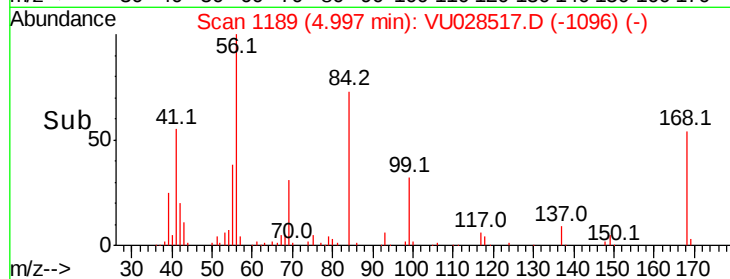
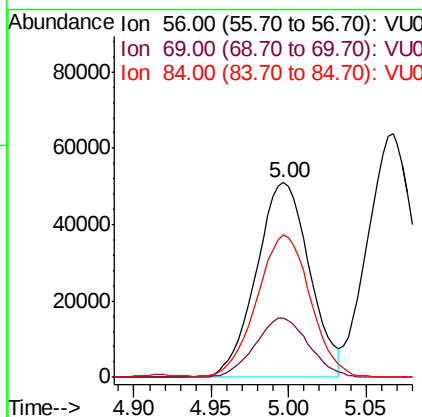
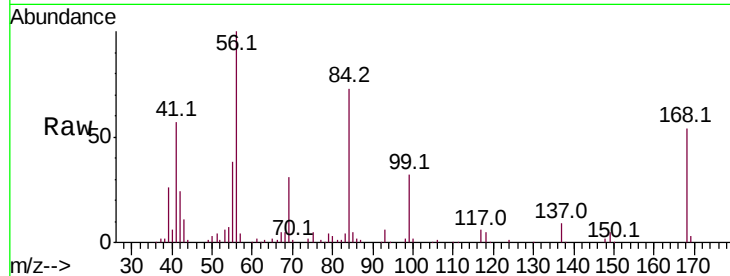
#31
Cyclohexane
Concen: 51.756 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.0	36.0
84	72.3	59.7	89.5

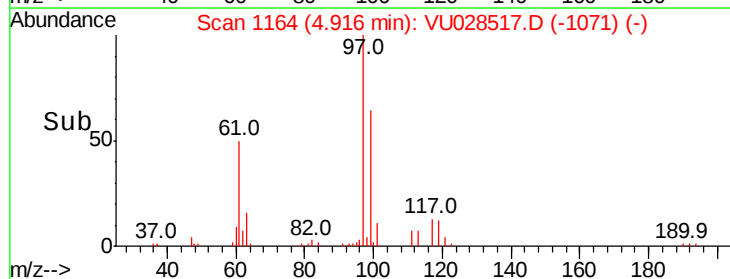
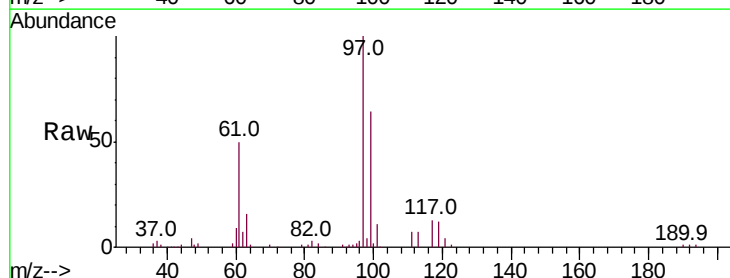
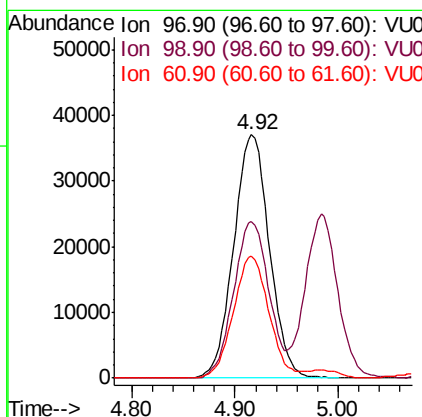
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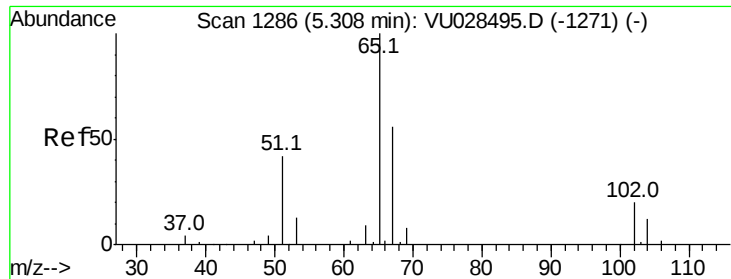
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#32
1,1,1-Trichloroethane
Concen: 50.903 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.3	78.5
61	49.9	39.0	58.6





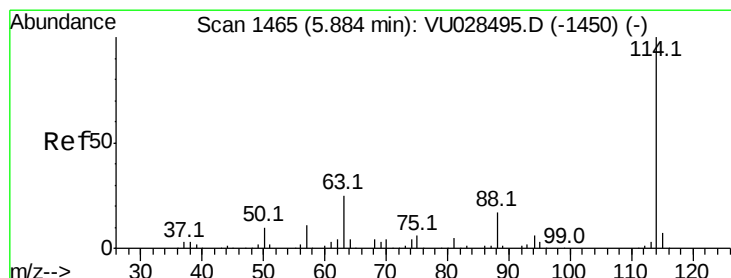
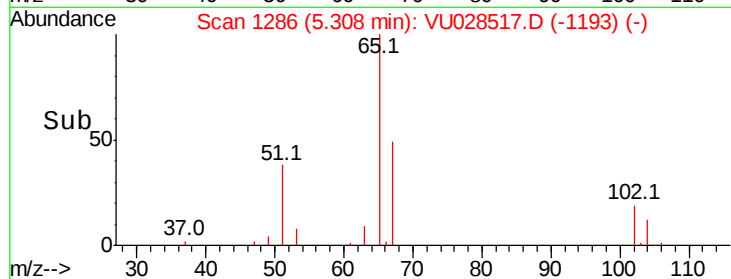
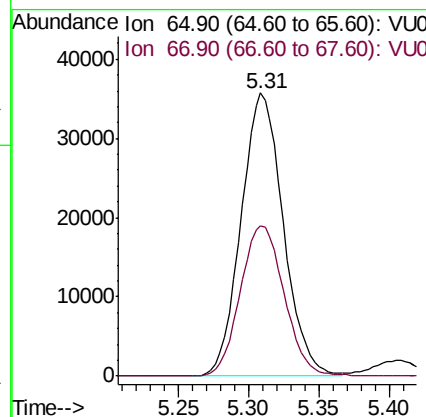
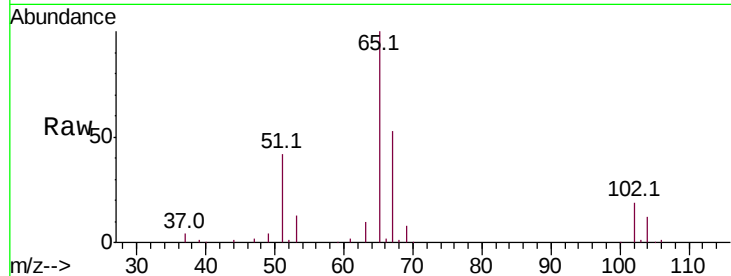
#33
 1,2-Dichloroethane-d4
 Concen: 54.201 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	110.6

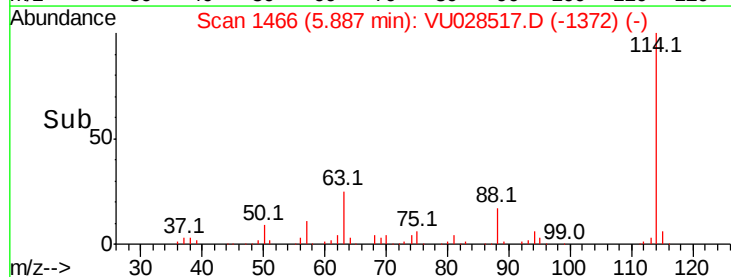
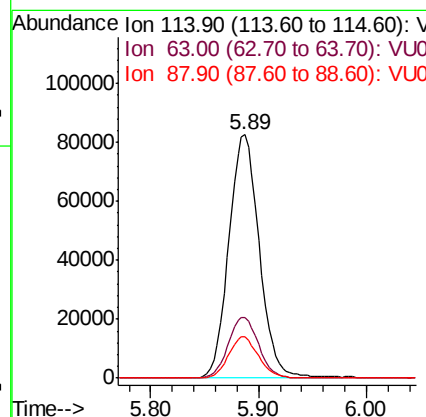
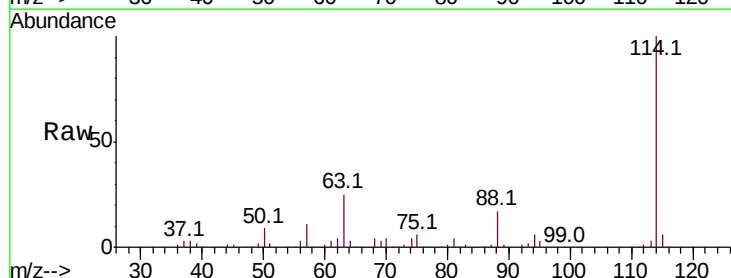
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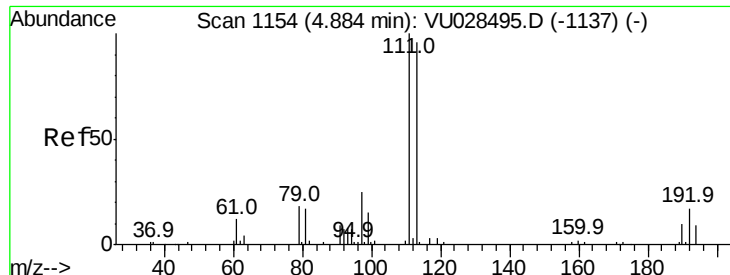
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	49.2
88	16.8	0.0	33.4





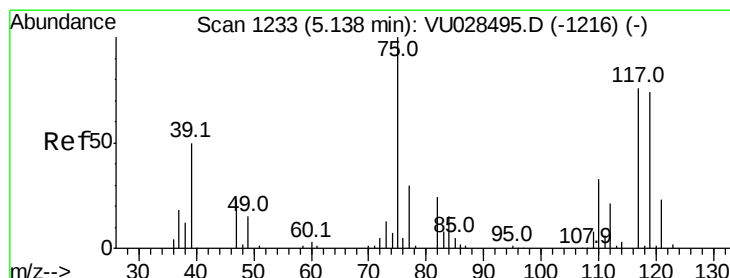
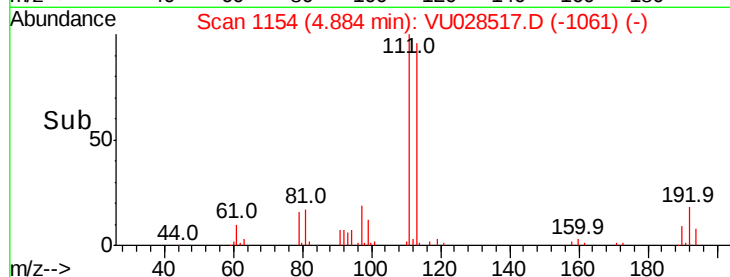
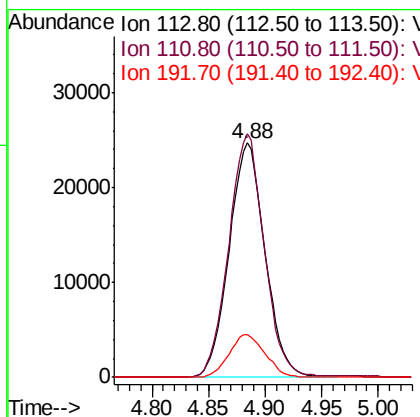
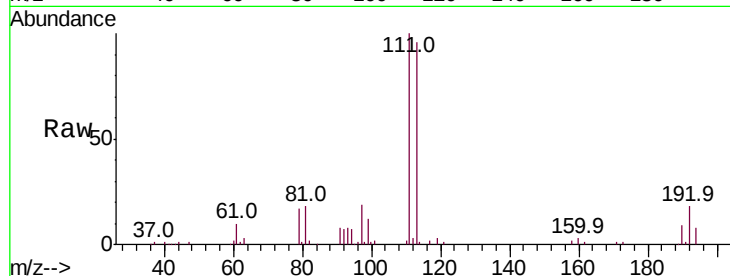
#35
 Dibromofluoromethane
 Concen: 53.378 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.0
192	18.3	14.8	22.2

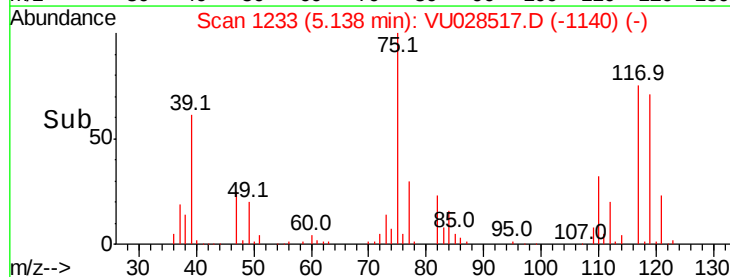
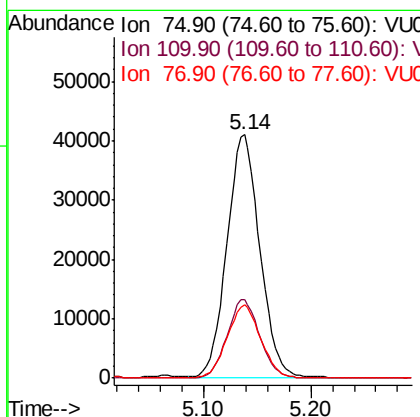
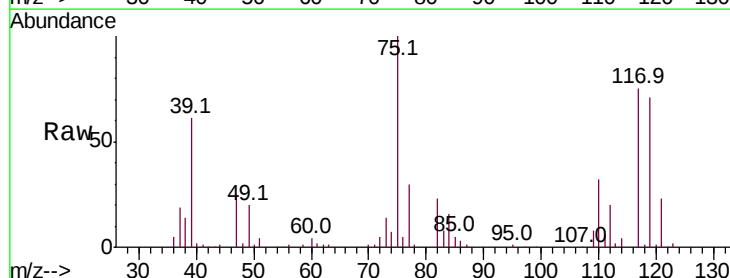
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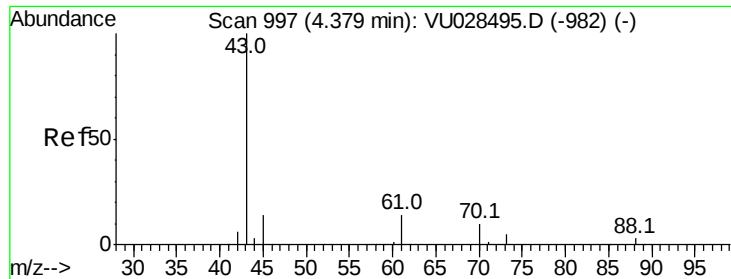
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#36
 1,1-Dichloropropene
 Concen: 49.183 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.1	48.2
77	30.6	24.5	36.7





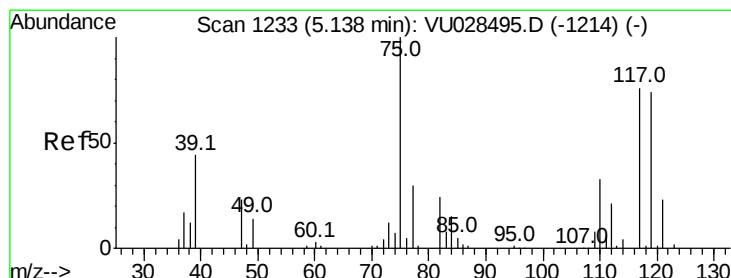
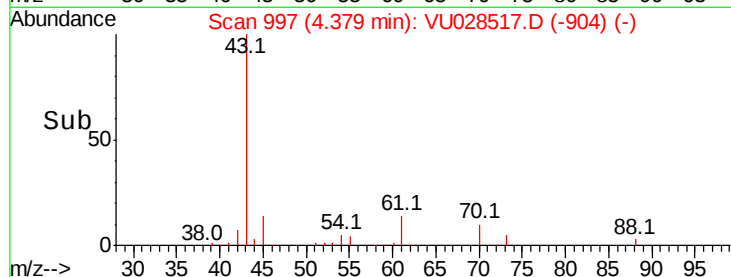
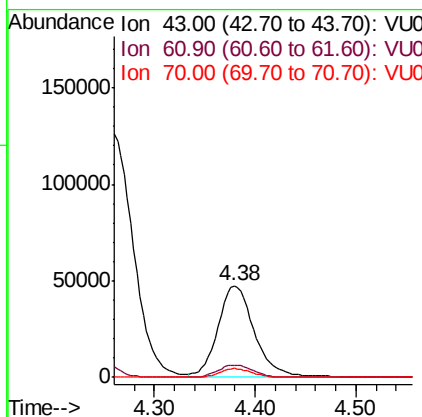
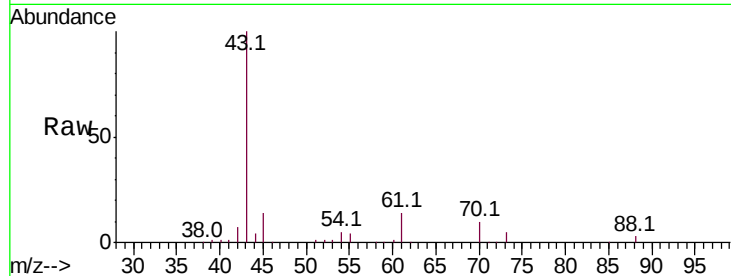
#37
Ethyl Acetate
Concen: 50.909 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	8.9	7.4	11.0

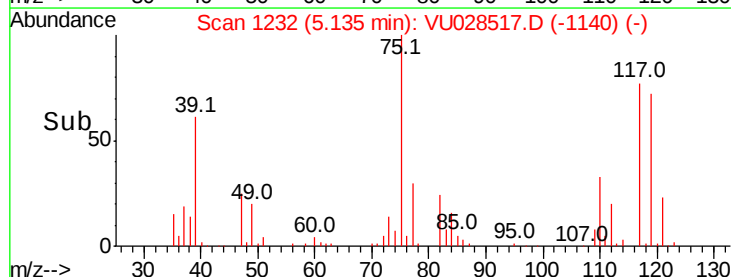
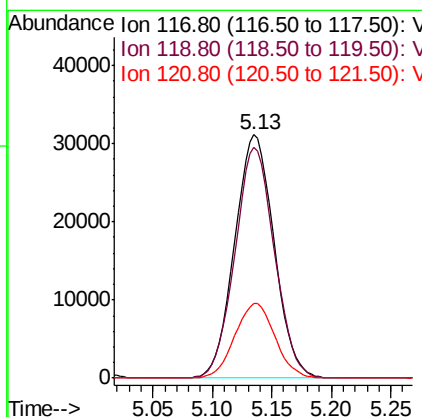
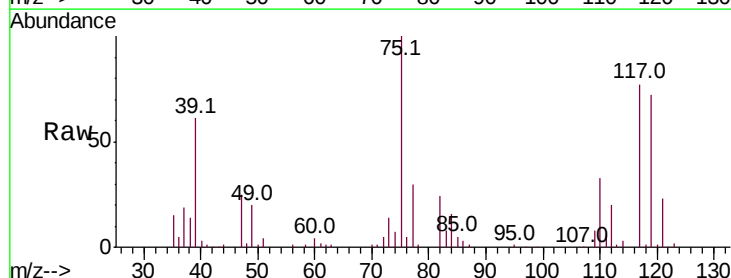
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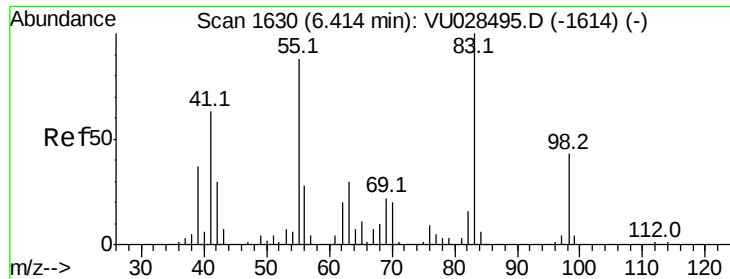
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#38
Carbon Tetrachloride
Concen: 49.907 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.6	116.4
121	30.5	24.6	36.8





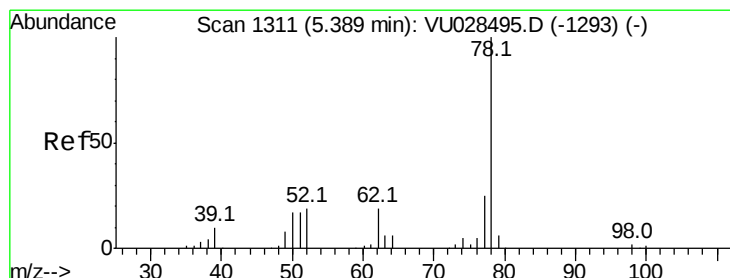
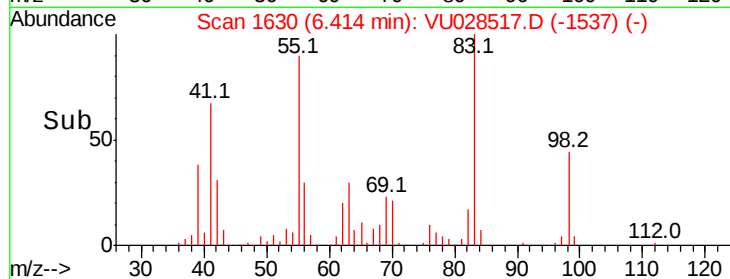
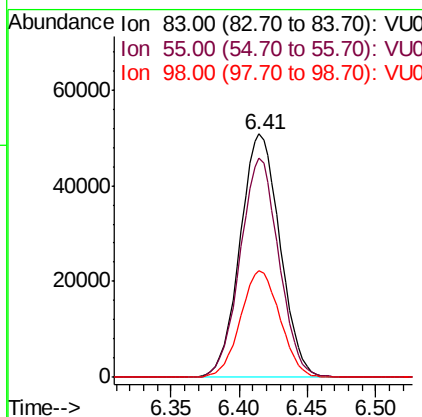
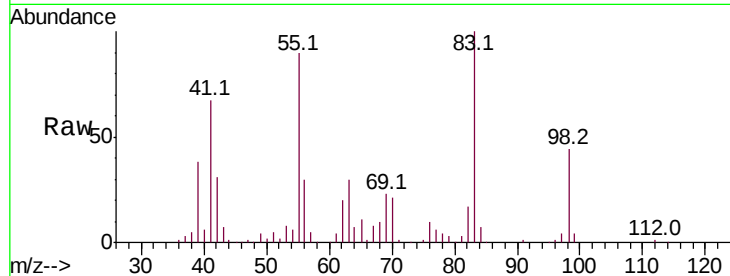
#39
Methvlcvclohexane
Concen: 47.435 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.0	70.2	105.2
98	44.0	34.2	51.4

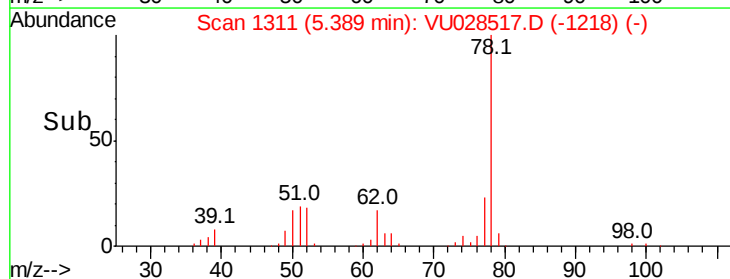
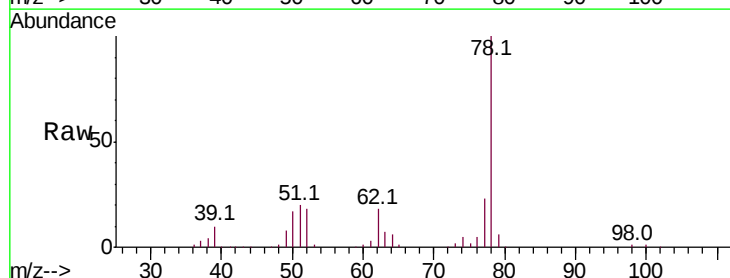
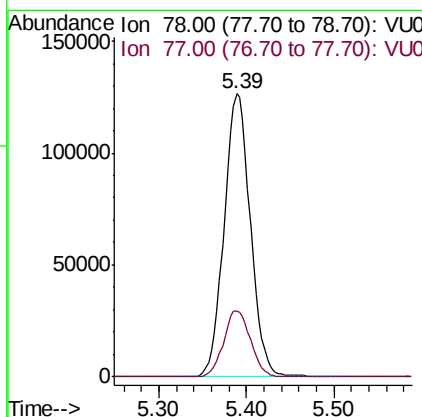
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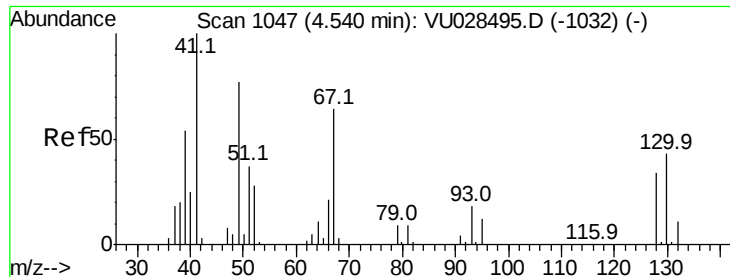
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#40
Benzene
Concen: 50.244 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.9	29.9





#41

Methacrylonitrile

Concen: 54.326 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

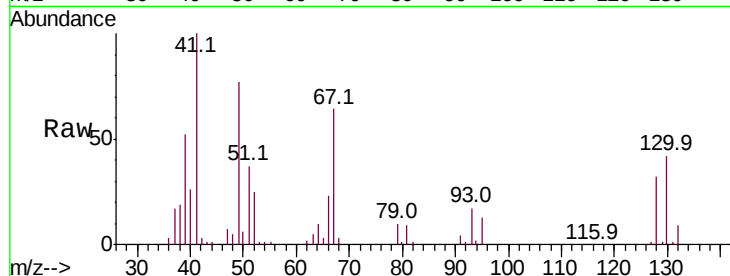
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

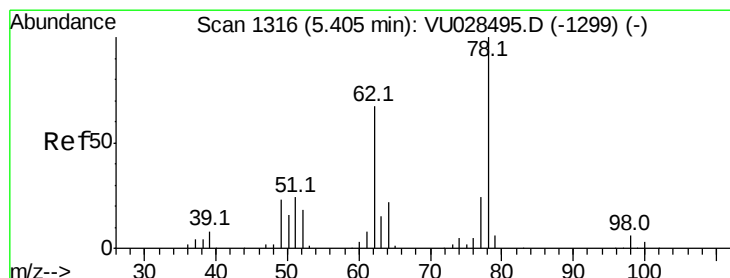
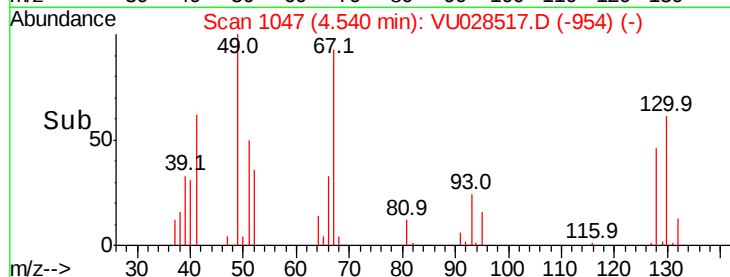
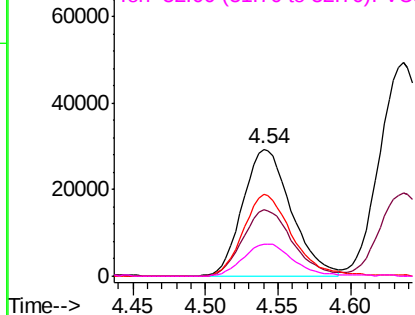
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	43.3	64.9	
67	64.5	53.6	80.4	
52	26.4	22.1	33.1	

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 50.669 ug/l

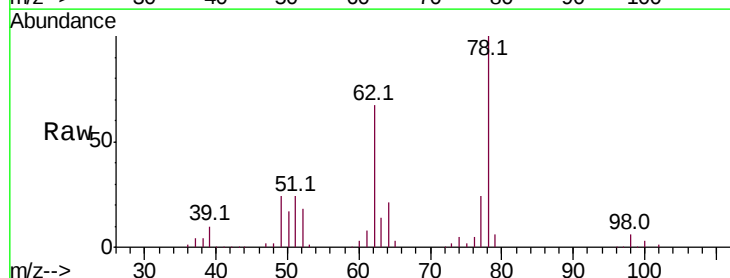
RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

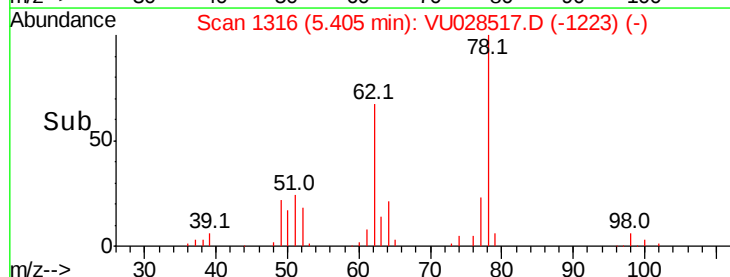
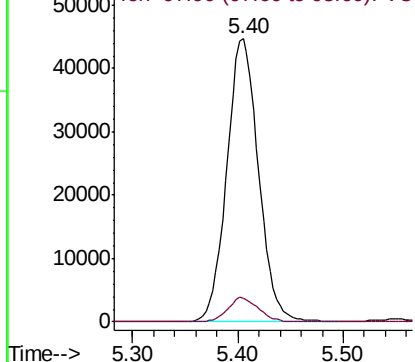
Lab File: VU028517.D

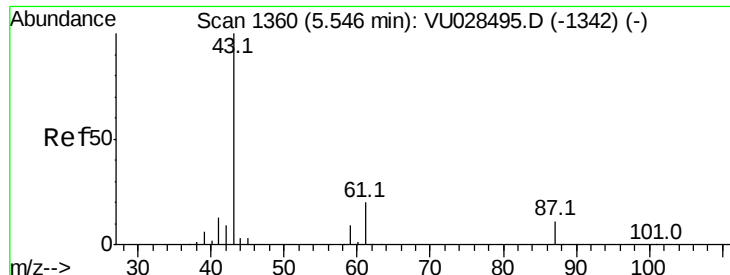
Acq: 06 Dec 2018 21:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.2	



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.599 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

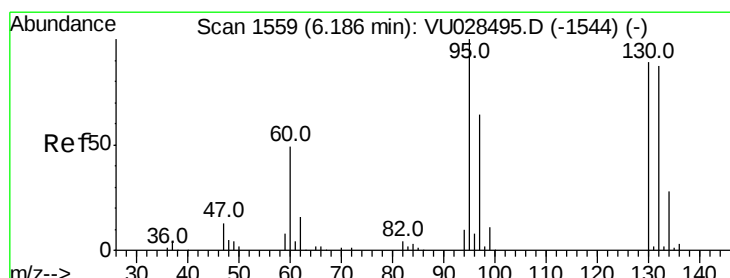
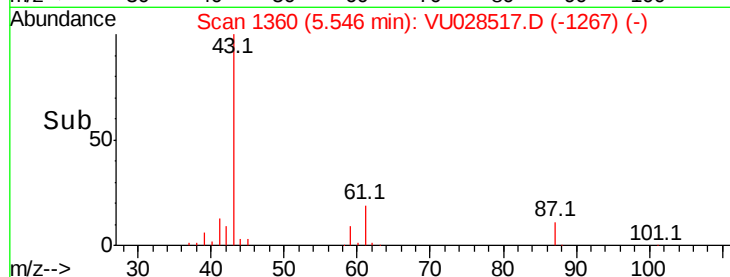
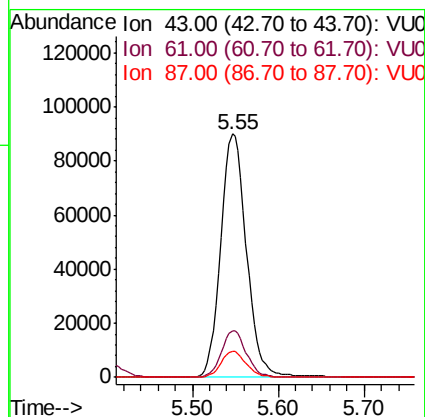
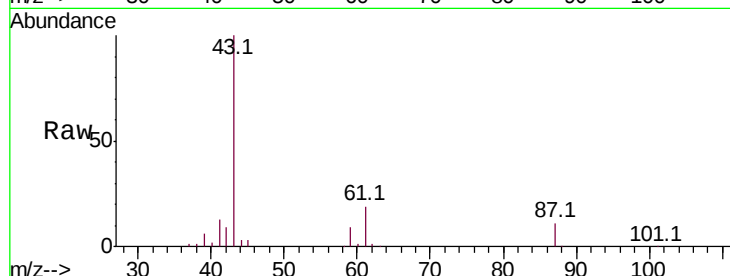
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	43	61	87
Ion	43	61	87
Ratio	100	18.4	10.4
Lower		15.5	8.7
Upper		23.3	13.1

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#44

Trichloroethene

Concen: 48.834 ug/l

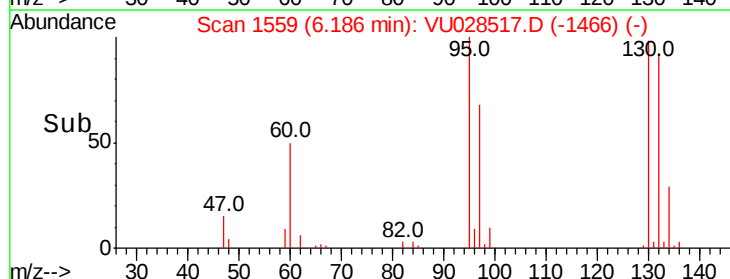
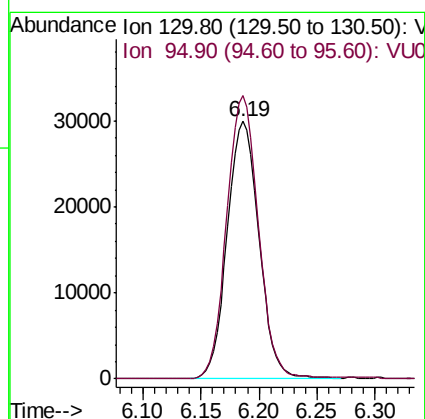
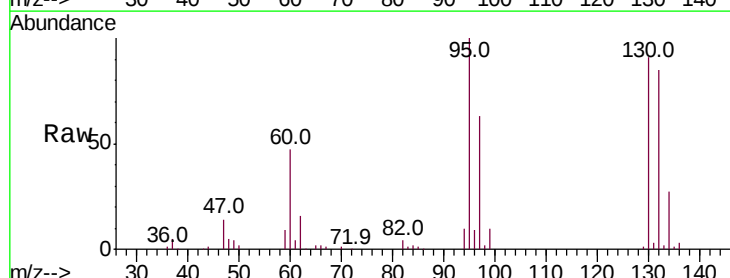
RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion	130	95
Ion	130	95
Ratio	100	109.9
Lower		0.0
Upper		224.0





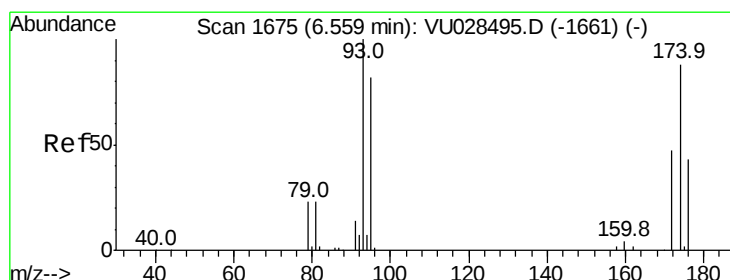
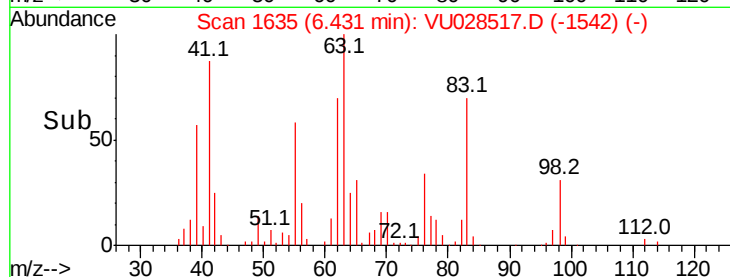
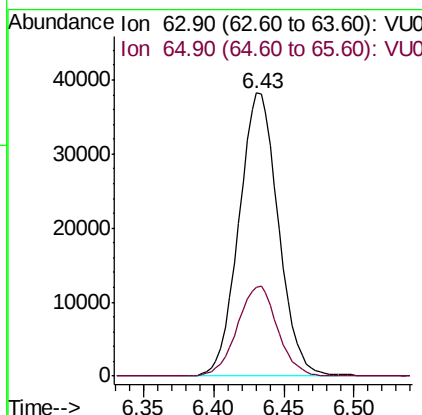
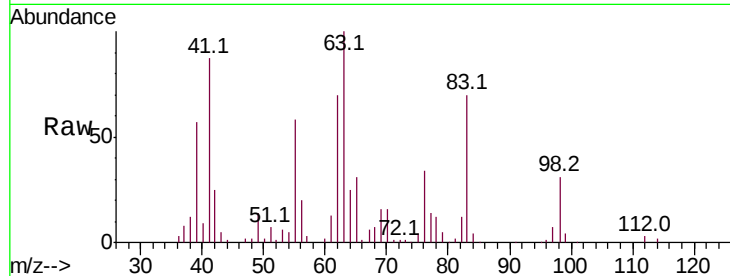
#45
 1,2-Dichloropropane
 Concen: 50.695 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 63 Resp: 74792
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.4

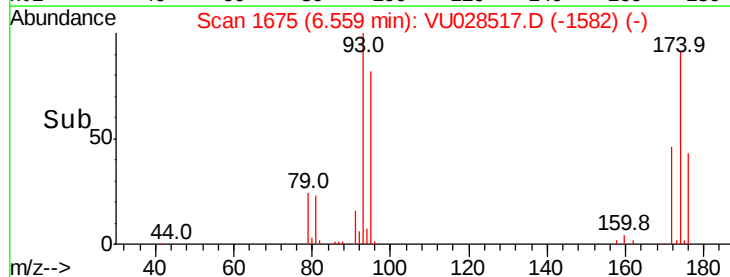
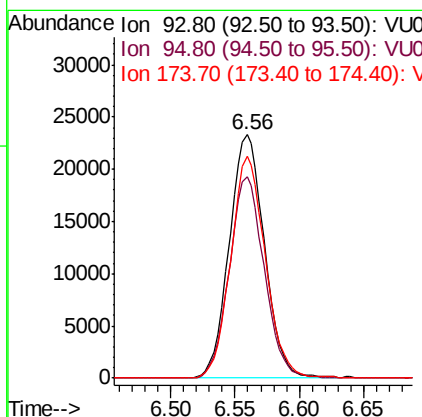
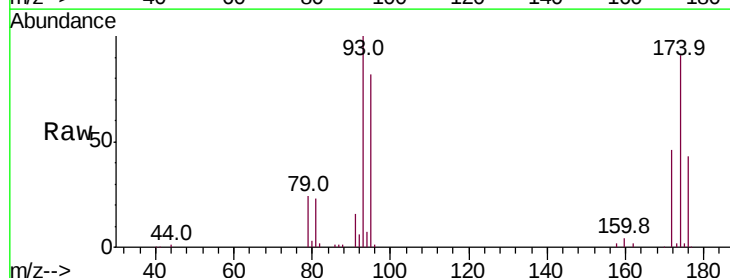
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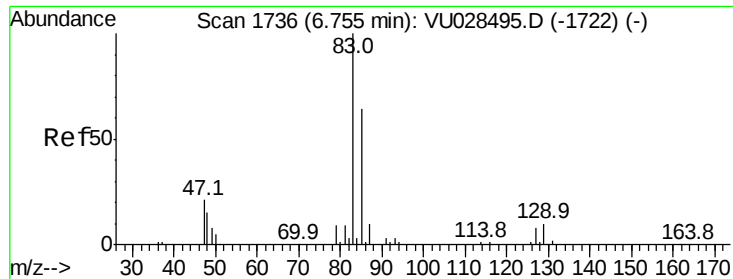
MMDadoda
 12/7/2018 10:35:20 AM



#46
 Dibromomethane
 Concen: 50.377 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 93 Resp: 44098
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.4 98.2
 174 89.7 72.2 108.4





#47

Bromodichloromethane

Concen: 49.665 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028517.D

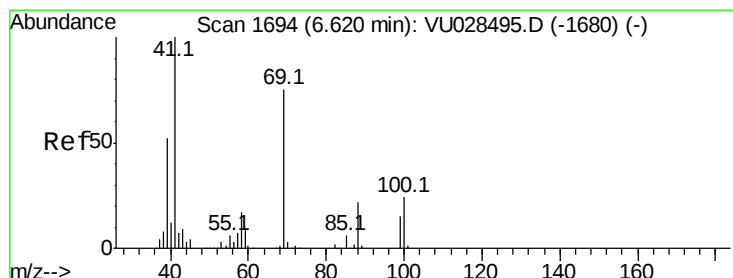
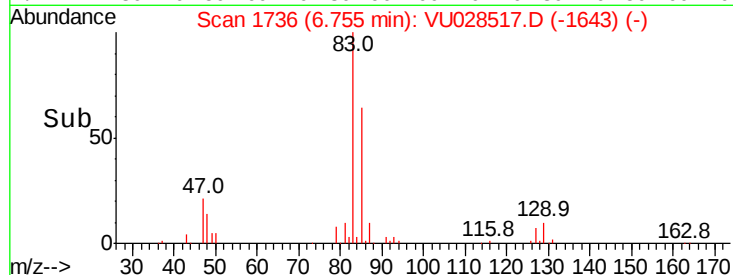
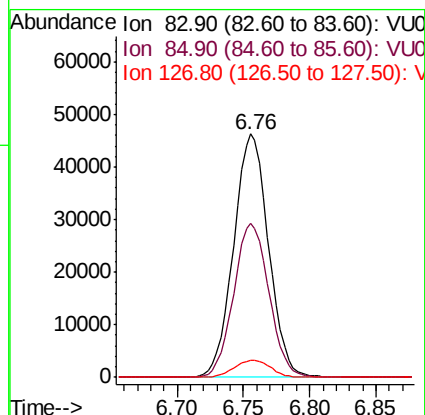
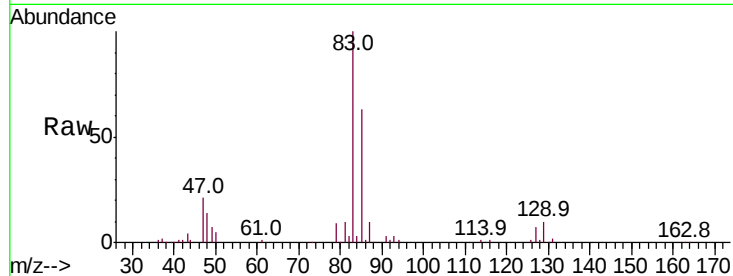
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	83	Resp:	84600
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.5	77.3
127	7.1	6.2	9.4

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#48

Methyl methacrylate

Concen: 53.307 ug/l

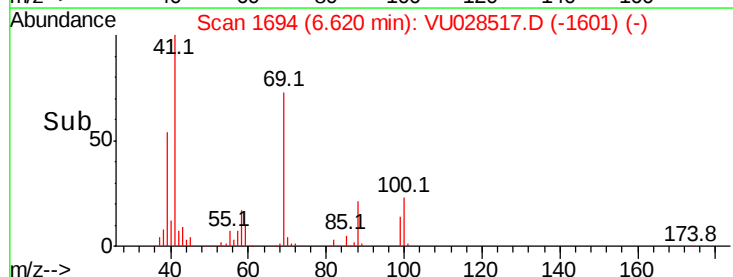
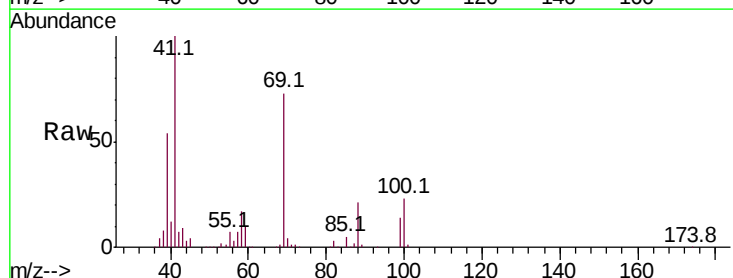
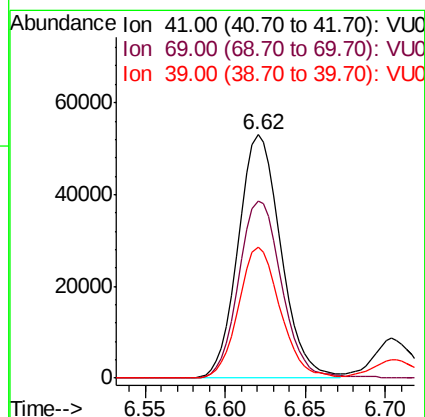
RT: 6.62 min Scan# 1694

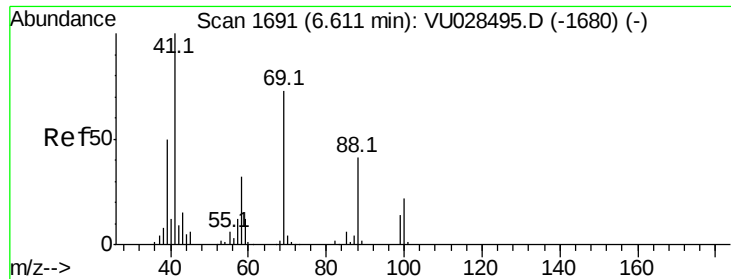
Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion:	41	Resp:	96555
Ion	Ratio	Lower	Upper
41	100		
69	73.7	60.4	90.6
39	52.6	41.1	61.7





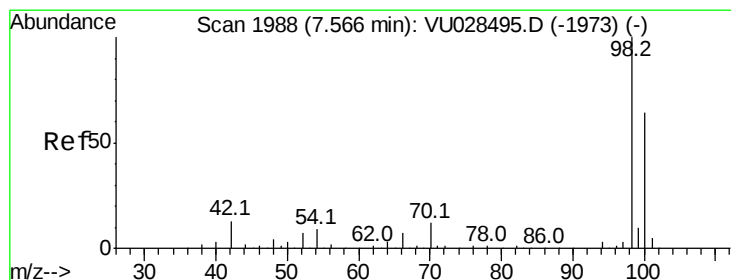
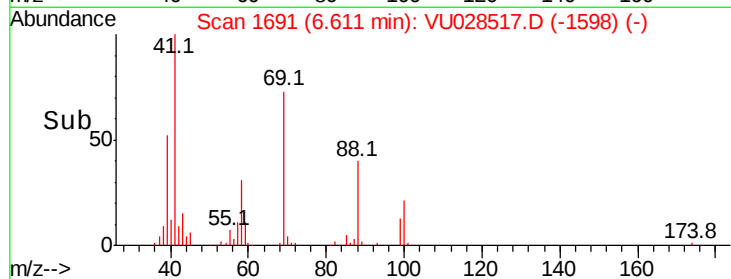
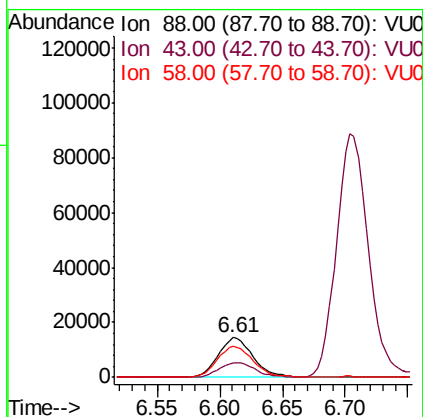
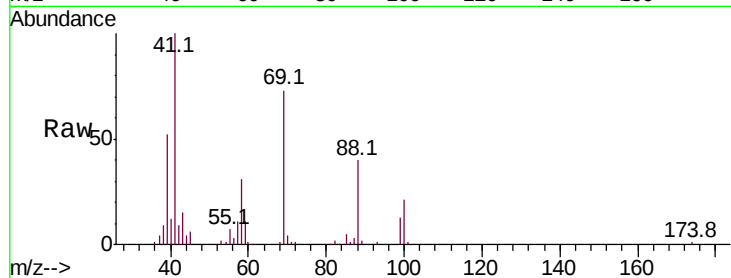
#49
1,4-Dioxane
Concen: 974.617 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	30.9	46.3
58	81.3	62.4	93.6

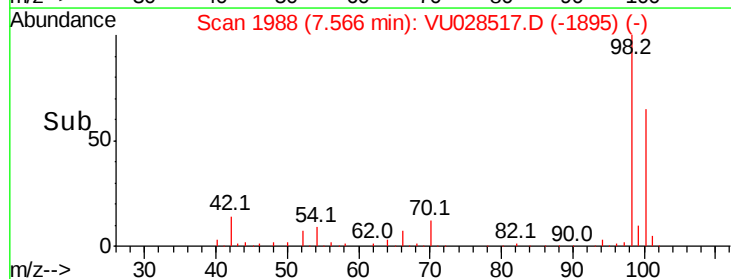
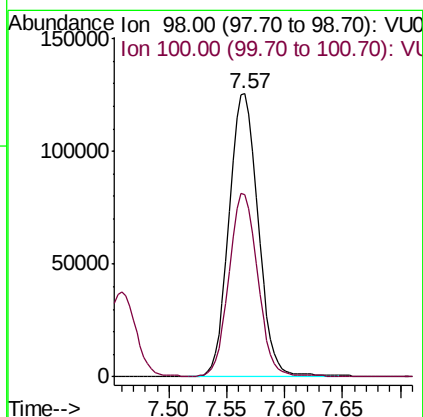
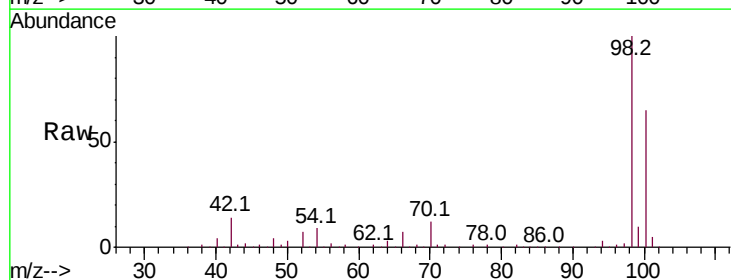
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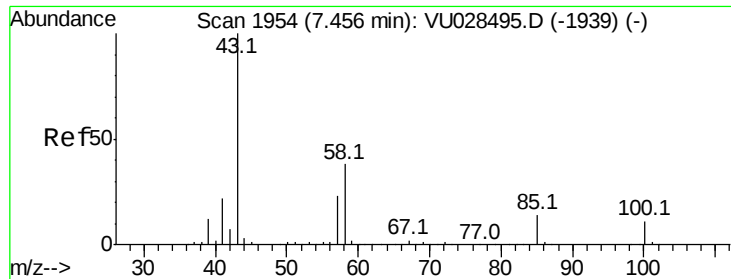
MMDadoda
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#50
Toluene-d8
Concen: 54.022 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 261.496 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 600712

Ion Ratio Lower Upper

43 100

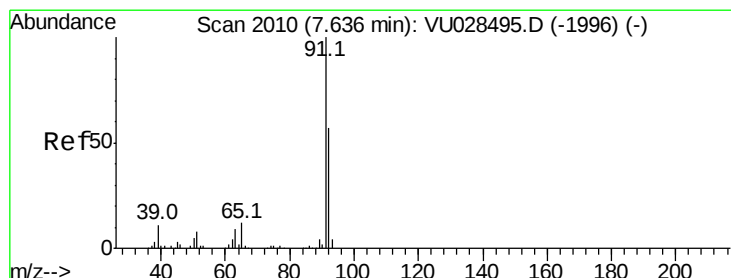
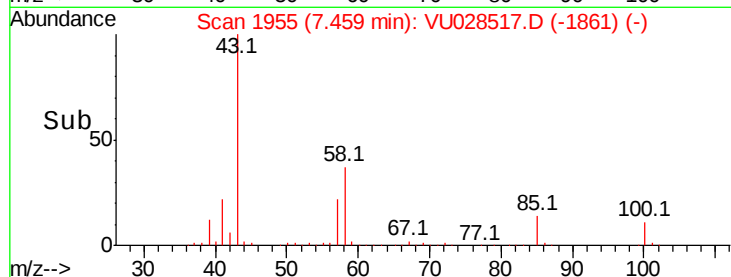
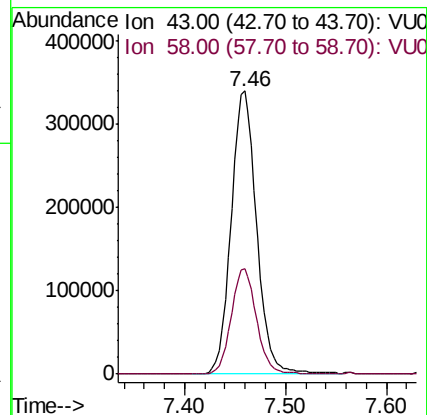
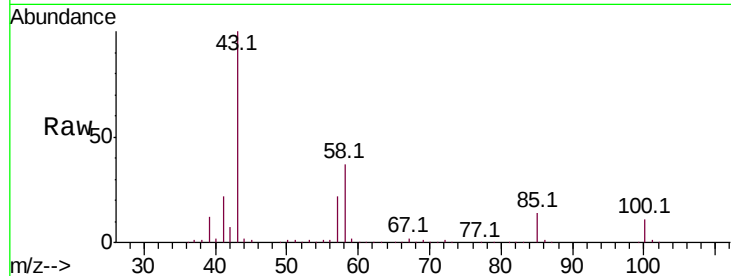
58 36.9 30.2 45.2

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#52

Toluene

Concen: 50.195 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028517.D

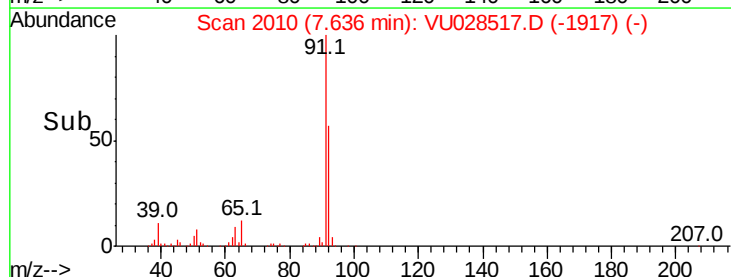
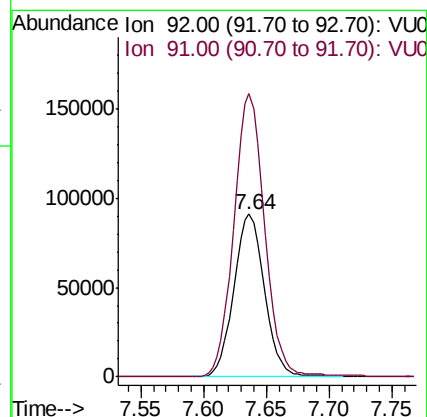
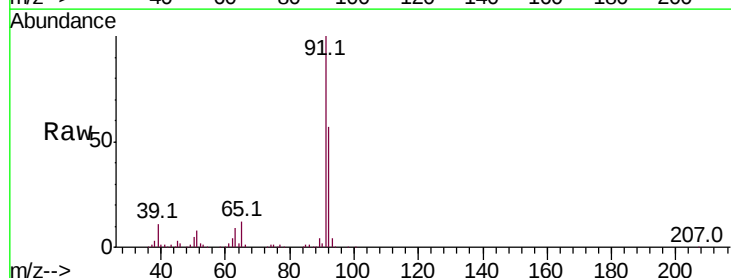
Acq: 06 Dec 2018 21:36

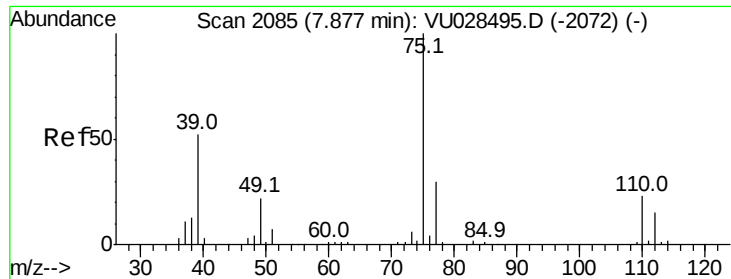
Tgt Ion: 92 Resp: 154985

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 50.184 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.2	36.4

Instrument :

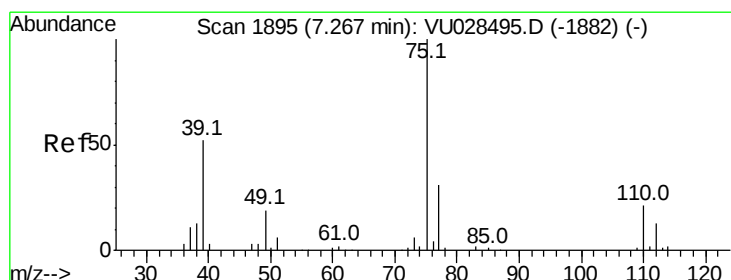
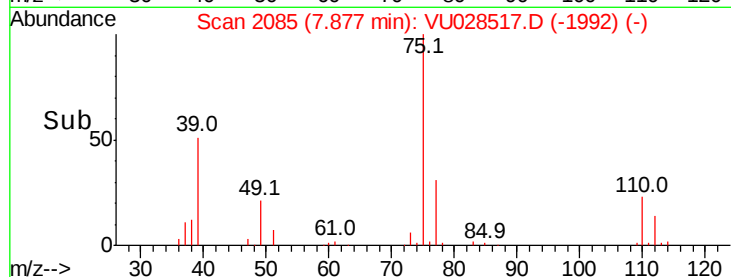
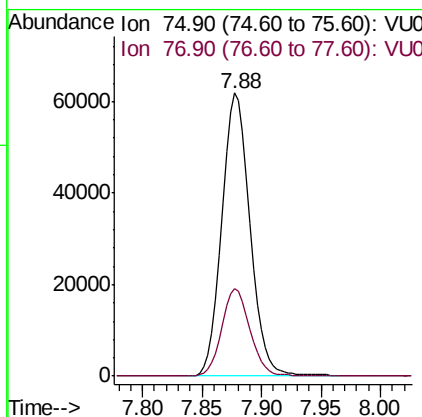
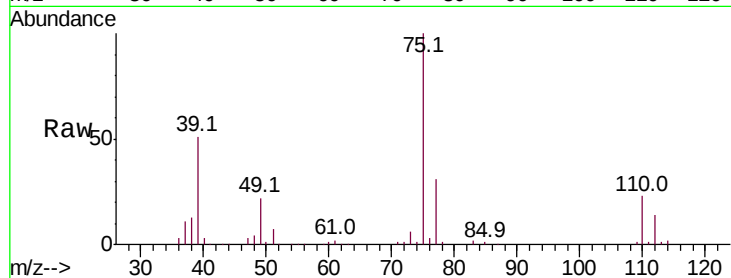
MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

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#54

cis-1,3-Dichloropropene

Concen: 48.923 ug/l

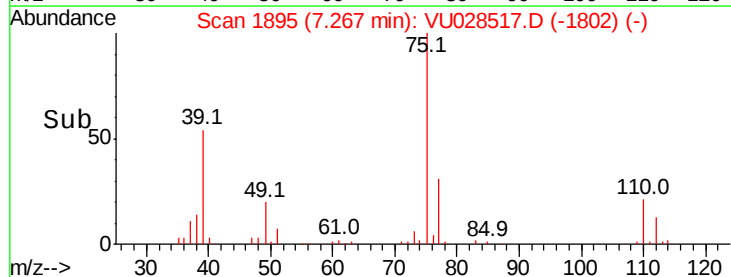
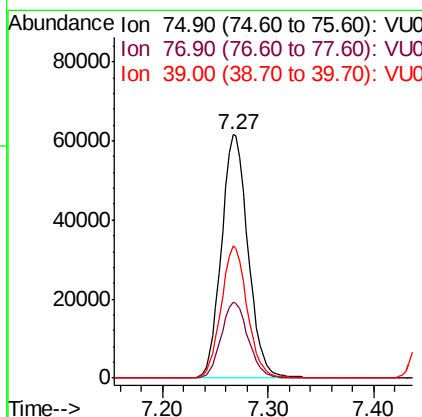
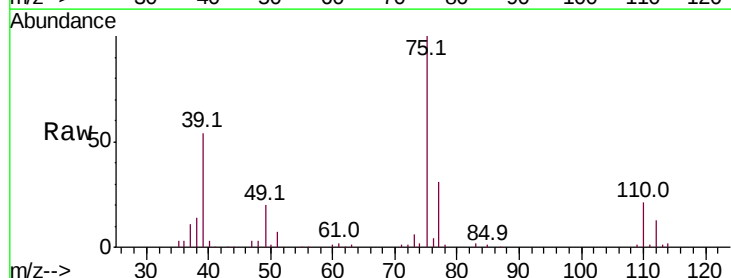
RT: 7.27 min Scan# 1895

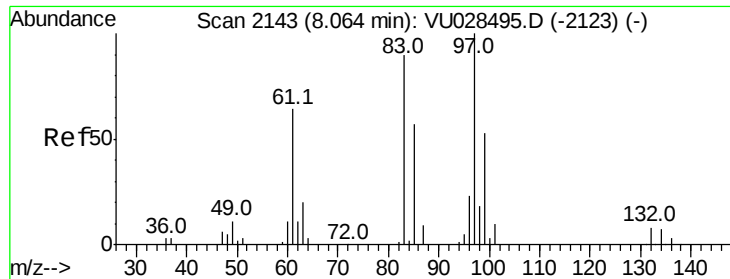
Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	54.1	41.3	61.9





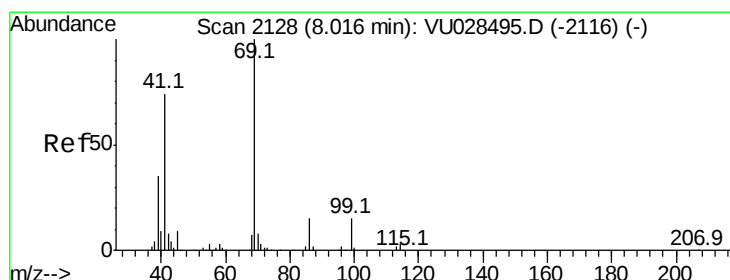
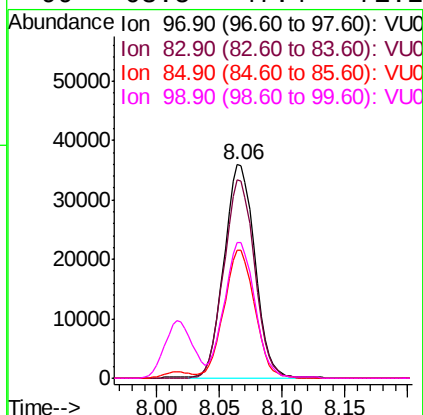
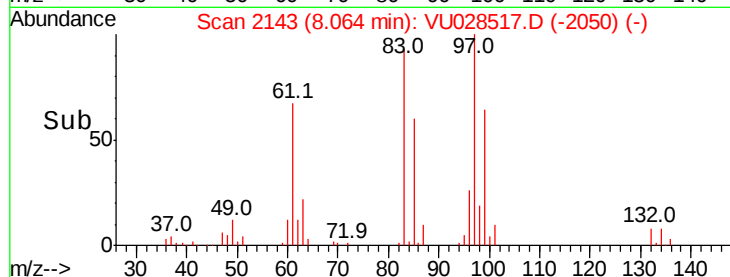
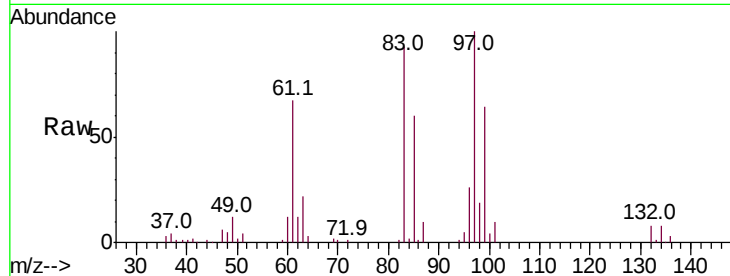
#55
1,1,2-Trichloroethane
Concen: 50.542 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.7	72.4	108.6
85	60.0	46.0	69.0
99	63.5	47.4	71.2

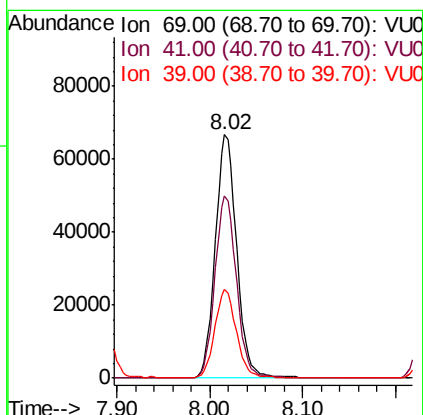
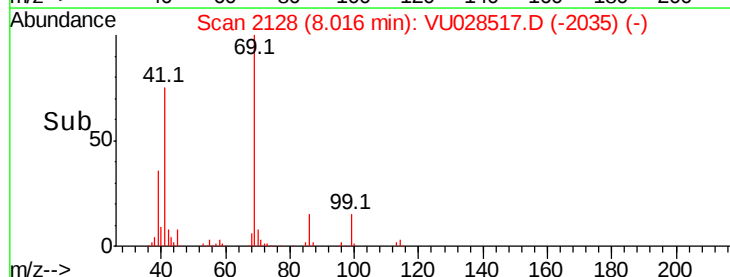
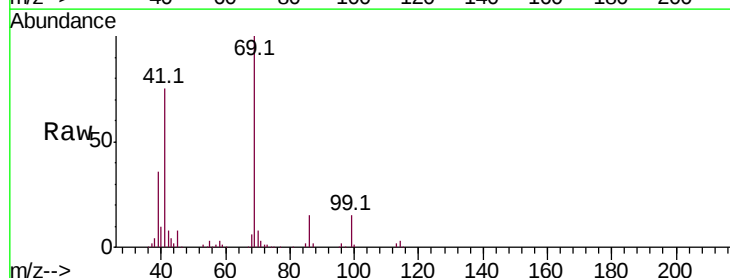
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#56
Ethyl methacrylate
Concen: 51.298 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.0	59.1	88.7
39	36.7	28.4	42.6





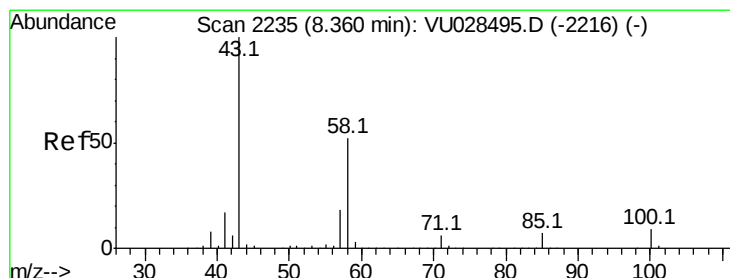
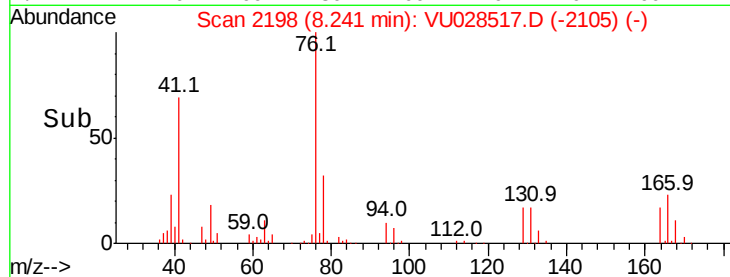
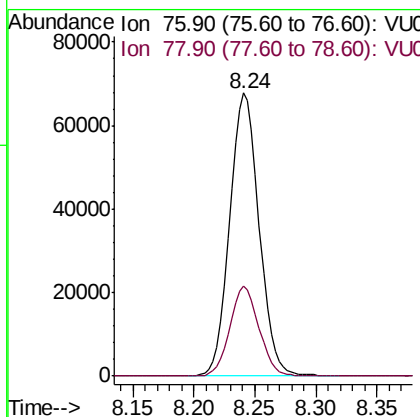
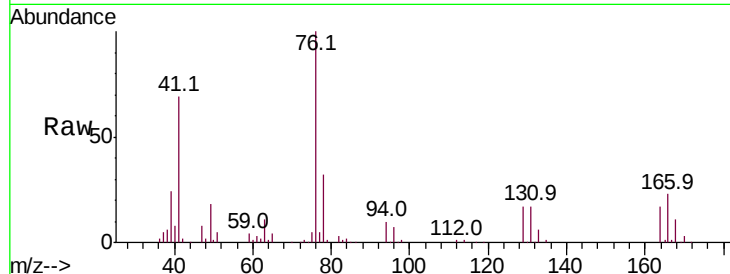
#57
 1,3-Dichloropropane
 Concen: 50.295 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 76 Resp: 113951
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8

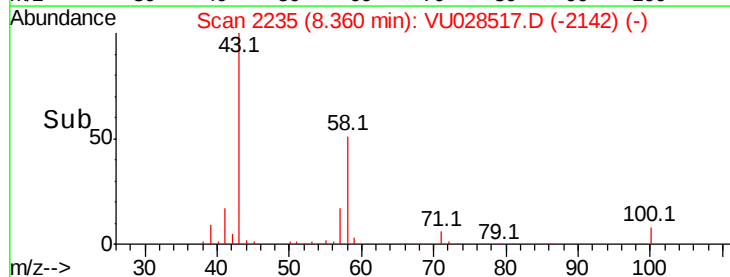
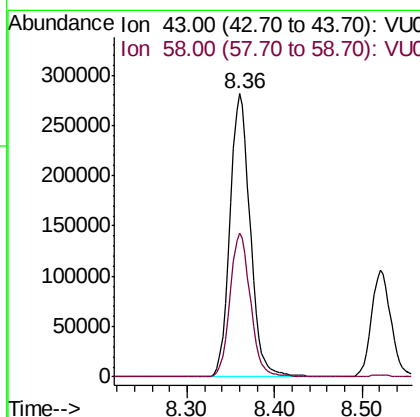
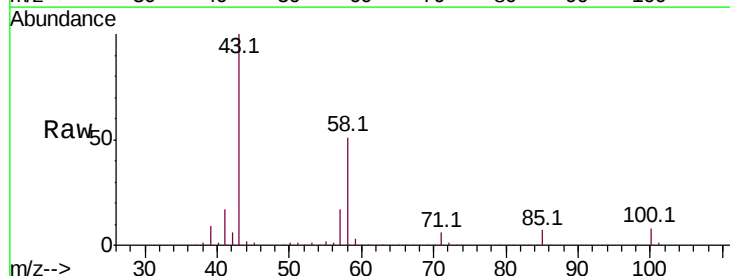
Manual Integrations
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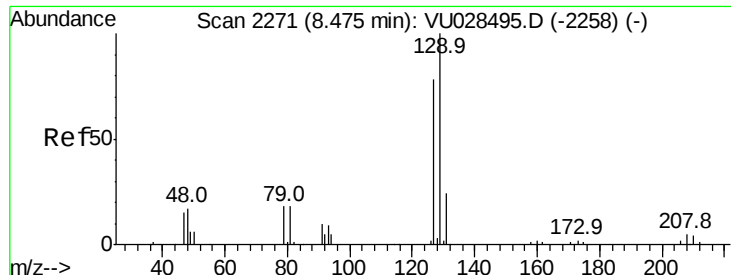
MMDadoda
 12/7/2018 10:35:20 AM



#59
 2-Hexanone
 Concen: 248.708 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 43 Resp: 452845
 Ion Ratio Lower Upper
 43 100
 58 51.4 25.9 77.6





#60

Dibromochloromethane

Concen: 49.047 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:129 Resp: 58610

Ion Ratio Lower Upper

129 100

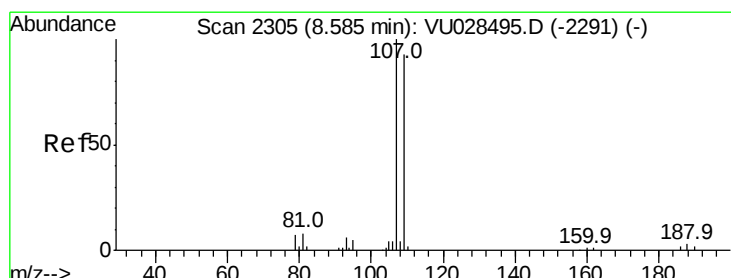
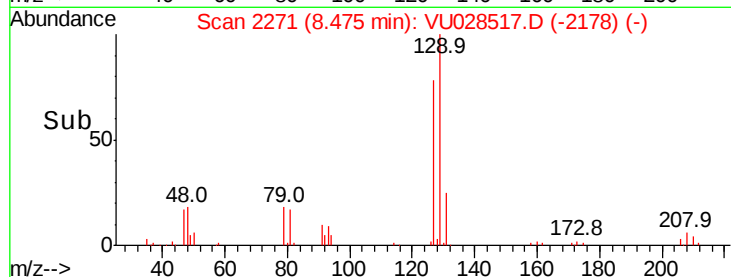
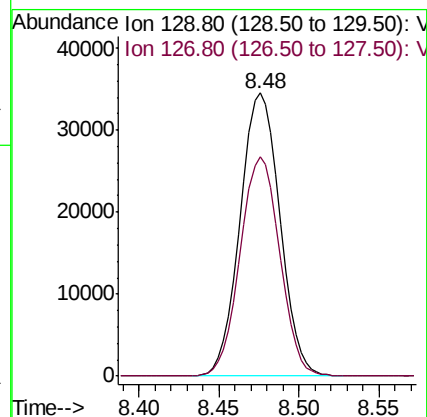
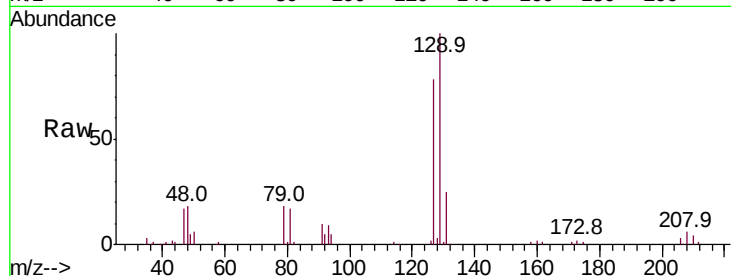
127 77.1 39.1 117.3

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#61

1,2-Dibromoethane

Concen: 51.248 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028517.D

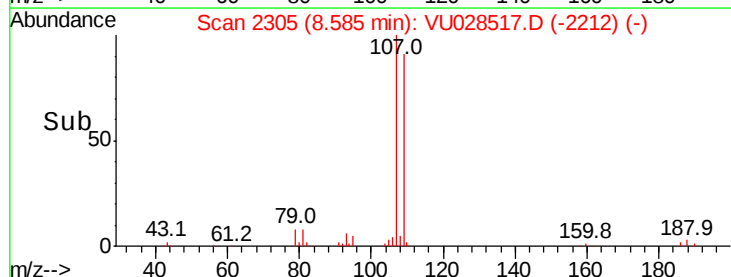
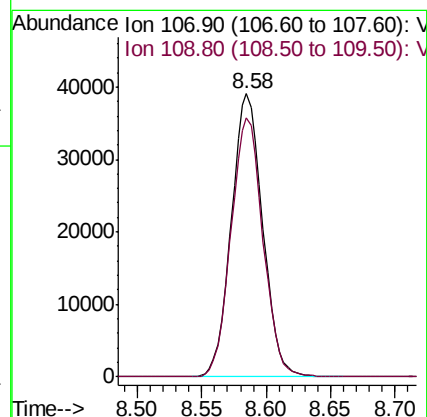
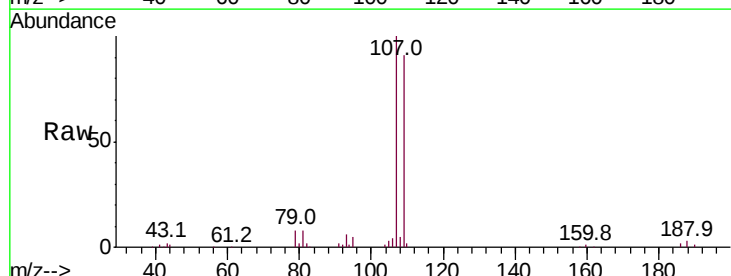
Acq: 06 Dec 2018 21:36

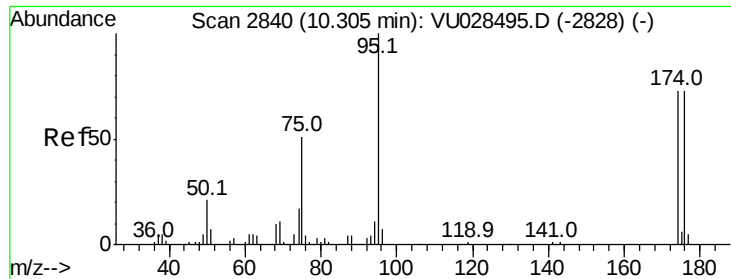
Tgt Ion:107 Resp: 65593

Ion Ratio Lower Upper

107 100

109 93.7 74.5 111.7





#62

4-Bromofluorobenzene

Concen: 53.519 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 95 Resp: 81063

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.4

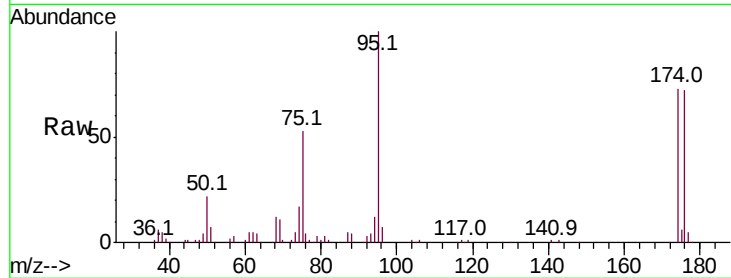
176 72.1 0.0 145.2

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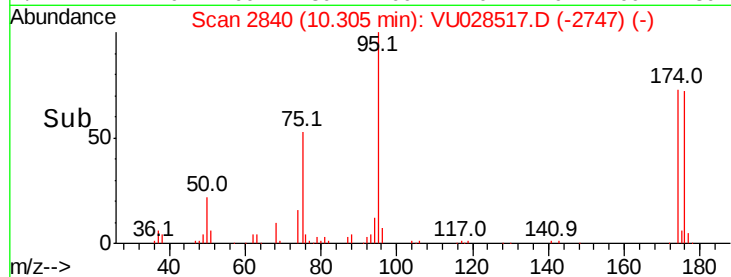


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

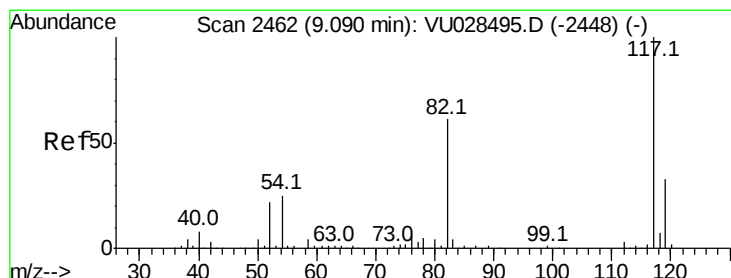
Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

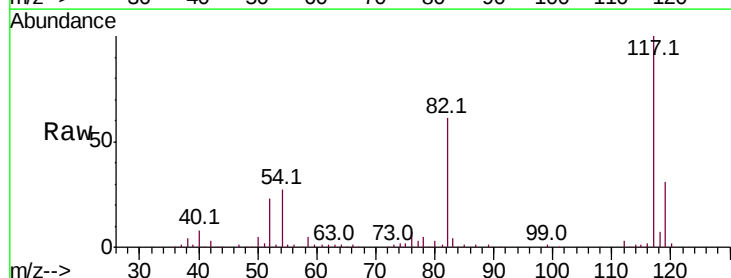
Tgt Ion: 117 Resp: 155277

Ion Ratio Lower Upper

117 100

82 61.3 48.9 73.3

119 31.3 26.2 39.4

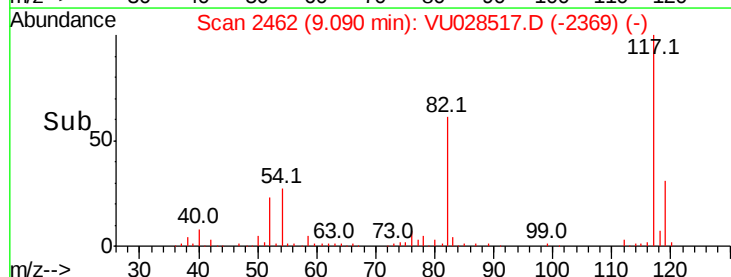


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

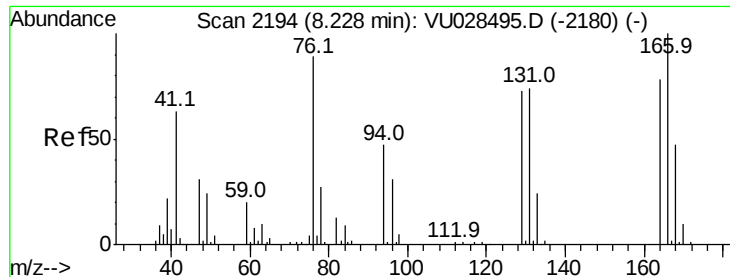
Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

Time-->



Time-->



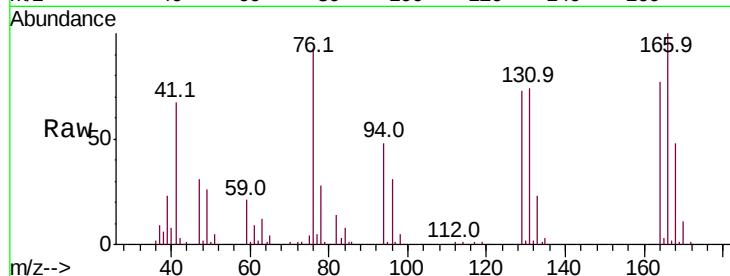
#64
Tetrachloroethene
Concen: 44.872 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

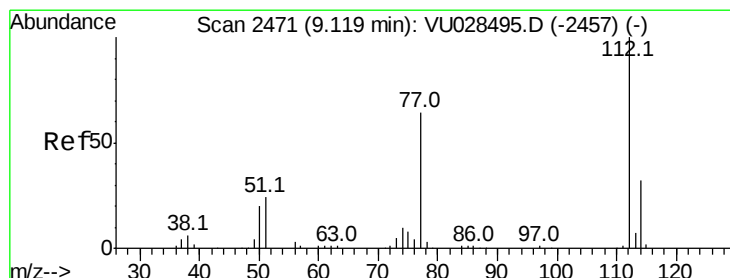
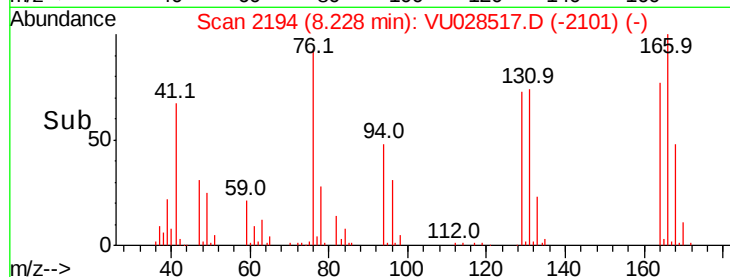
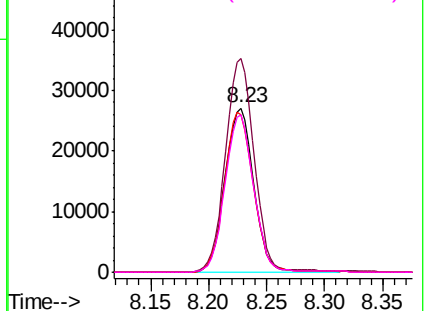
Tot Ion:164 Resp: 46475
Ion Ratio Lower Upper
164 100
166 130.1 101.9 152.9
129 95.6 74.9 112.3
131 95.7 75.4 113.0

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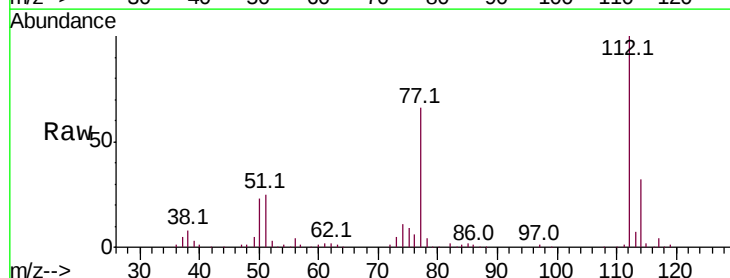


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

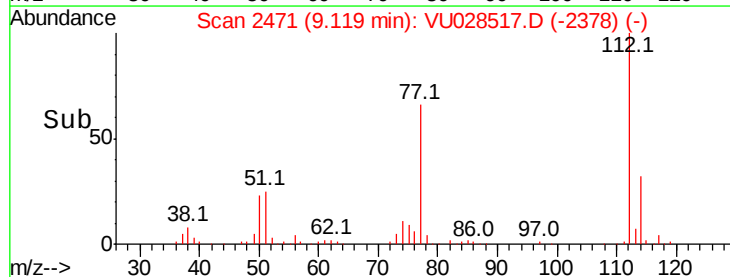
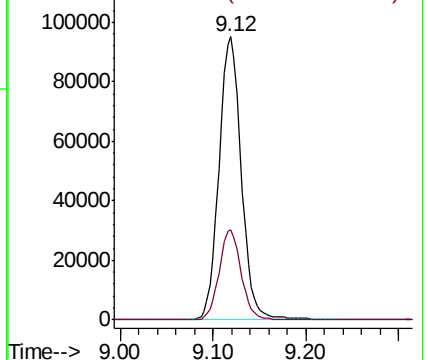


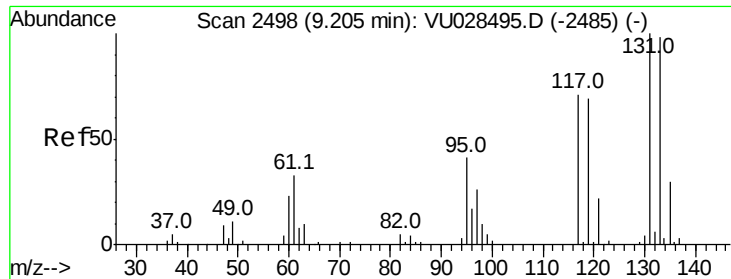
#65
Chlorobenzene
Concen: 48.049 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion:112 Resp: 158983
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 50.462 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

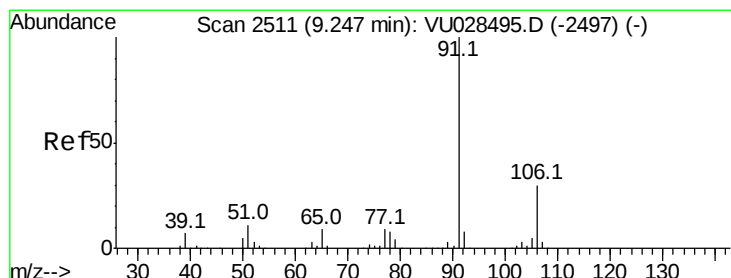
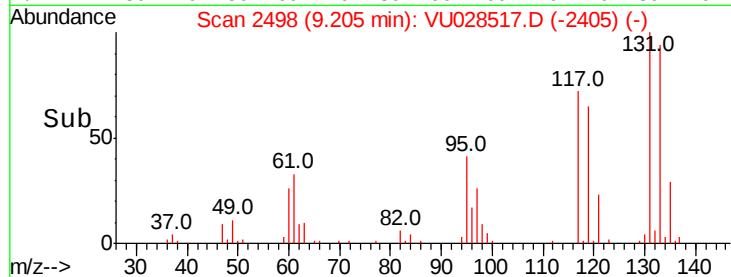
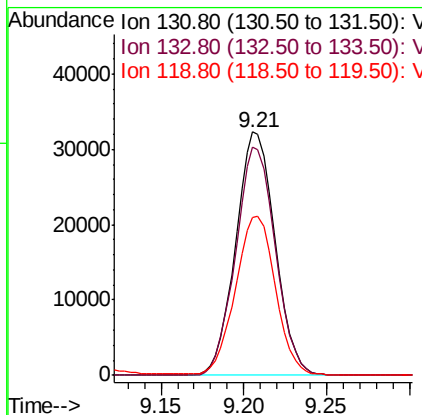
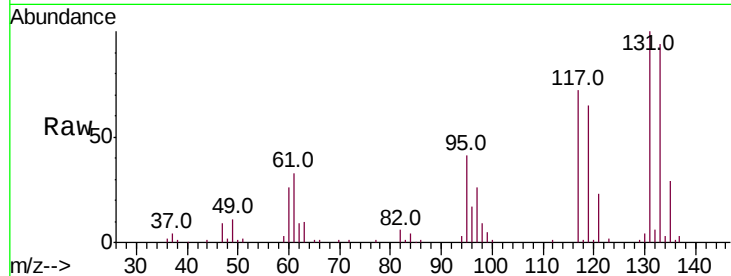
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	131	Resp:	53319
Ion Ratio	Lower	Upper	
131	100		
133	94.5	48.0	144.0
119	66.5	34.6	103.9

Manual Integrations
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#67

Ethyl Benzene

Concen: 48.386 ug/l

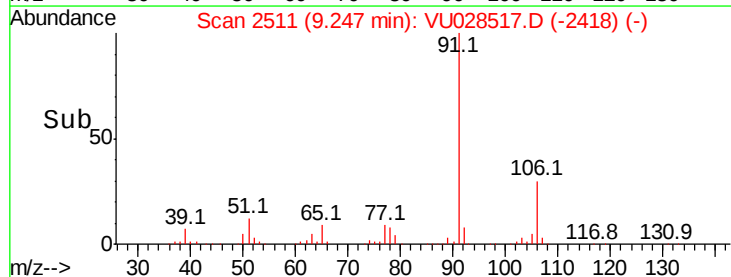
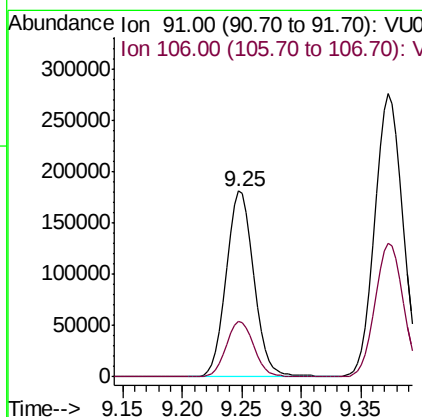
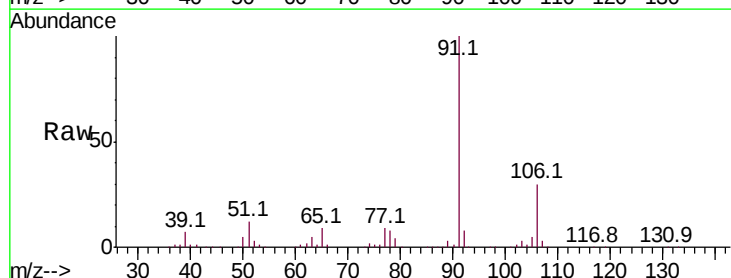
RT: 9.25 min Scan# 2511

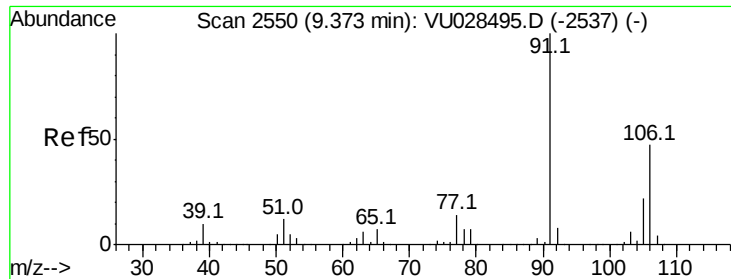
Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion:	91	Resp:	294313
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.1	36.1





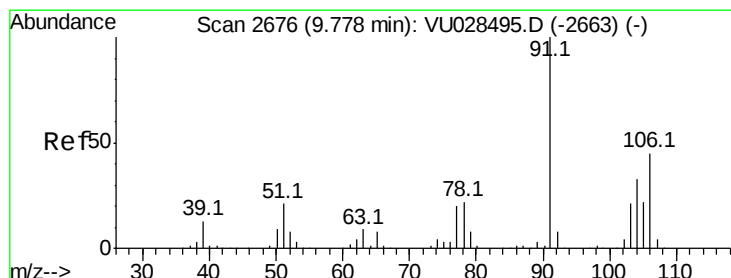
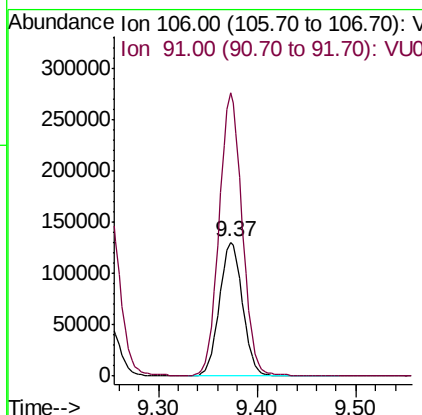
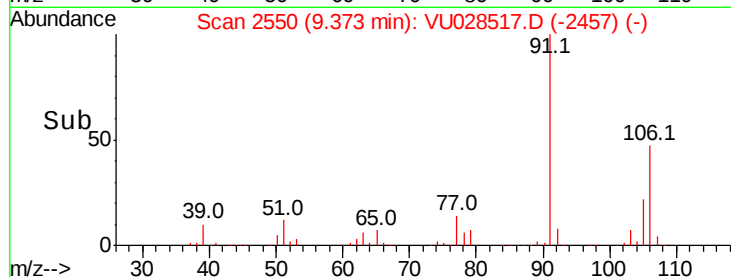
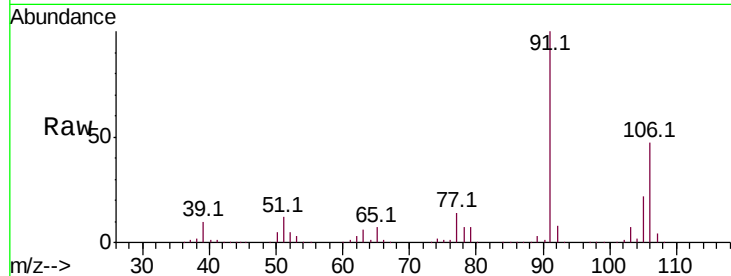
#68
m/p-Xylenes
Concen: 98.027 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:106 Resp: 216965
Ion Ratio Lower Upper
106 100
91 210.2 167.4 251.0

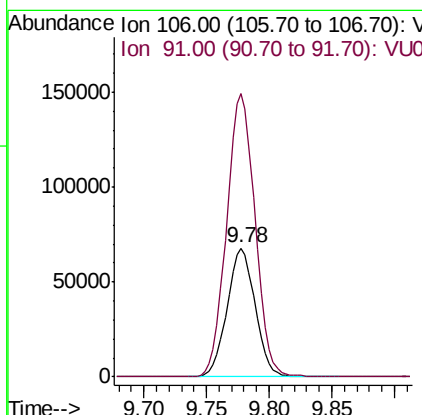
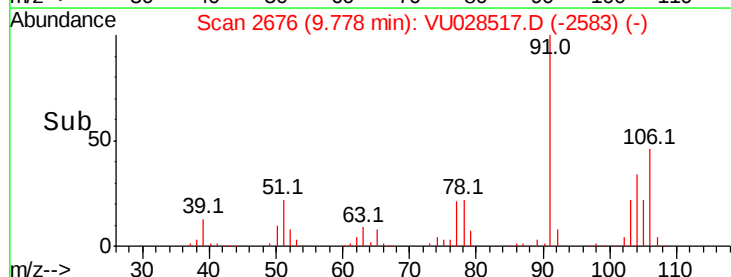
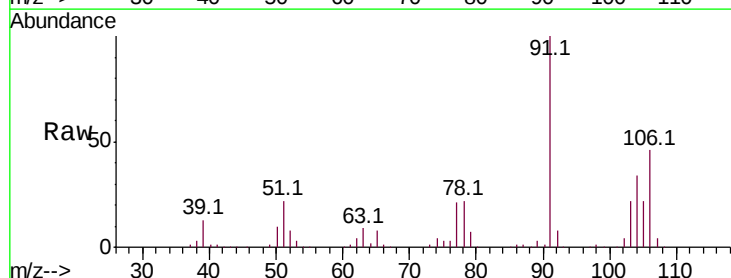
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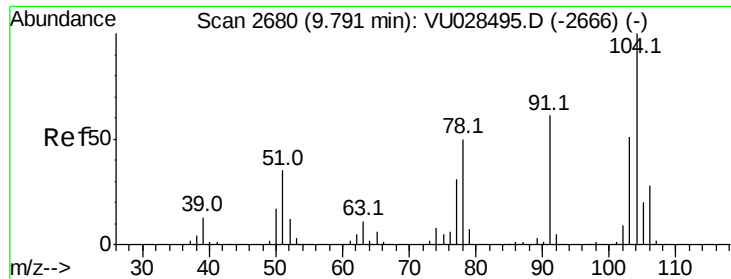
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#69
o-Xylene
Concen: 49.252 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion:106 Resp: 105936
Ion Ratio Lower Upper
106 100
91 222.8 111.3 334.0





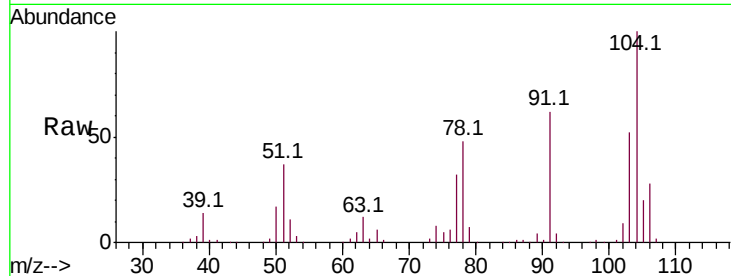
#70
Stvrene
Concen: 48.779 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	43.0	64.6
103	56.0	44.2	66.4

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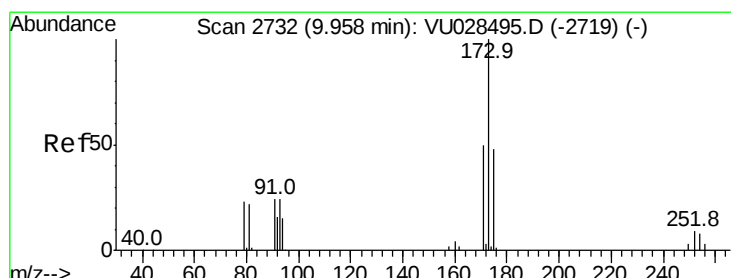
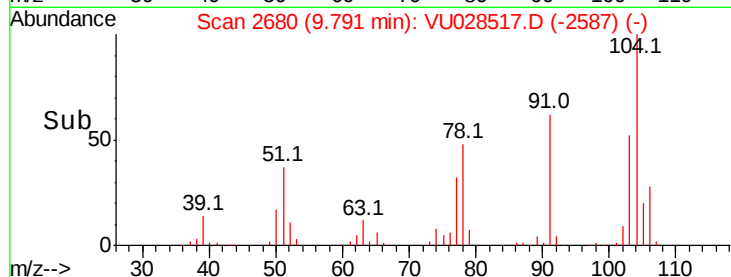
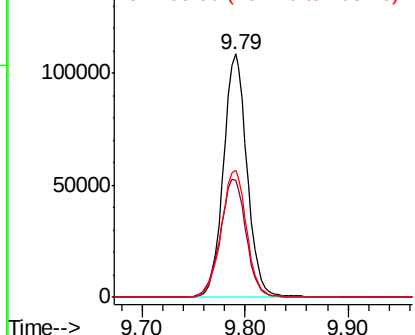


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 48.469 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

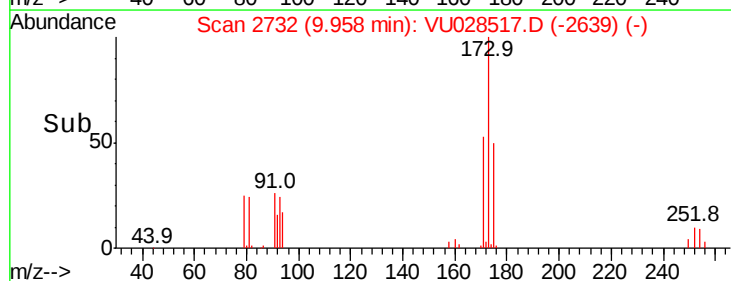
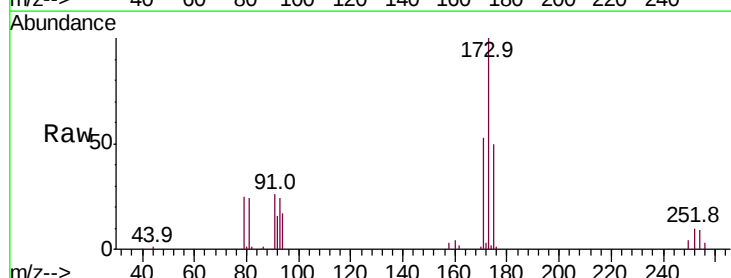
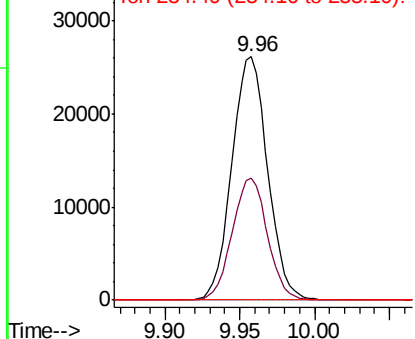
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.8
254	0.0	0.0	0.0

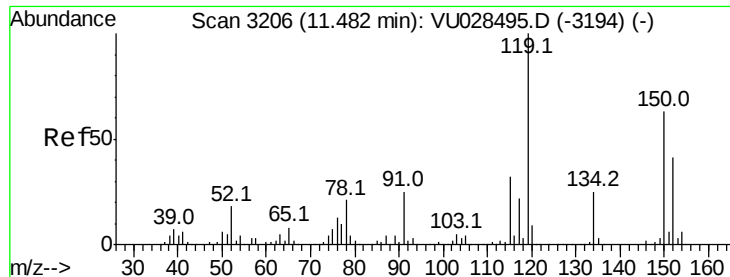
Abundance

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: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:152 Resp: 78709

Ion Ratio Lower Upper

152 100

115 83.6 42.7 128.1

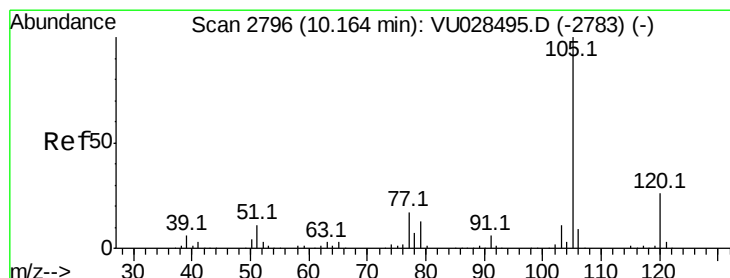
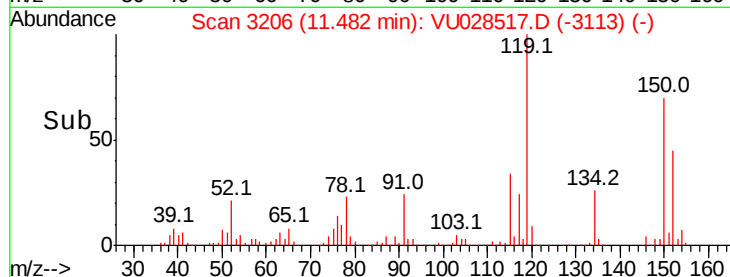
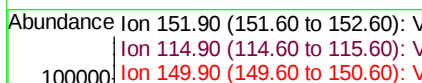
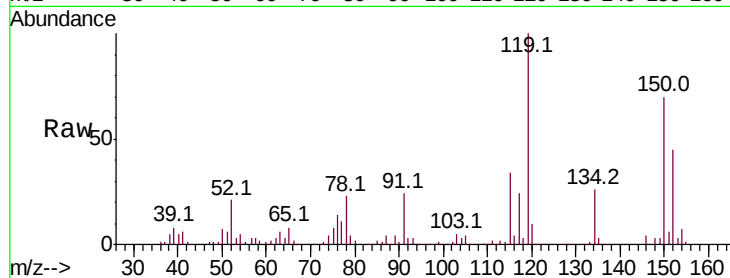
150 172.6 0.0 346.0

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#73

Isopropylbenzene

Concen: 46.113 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028517.D

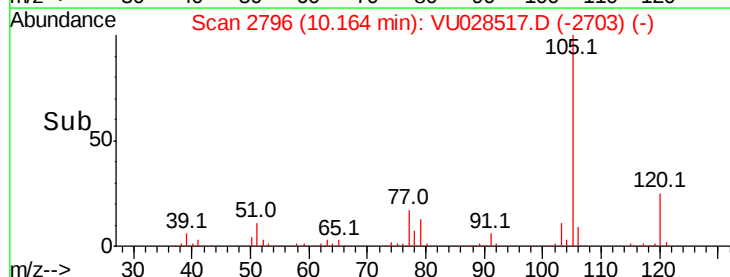
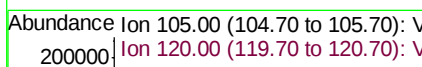
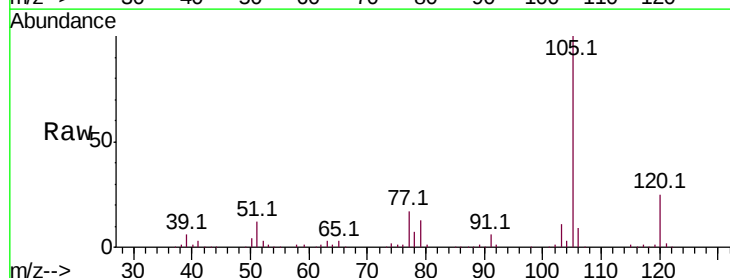
Acq: 06 Dec 2018 21:36

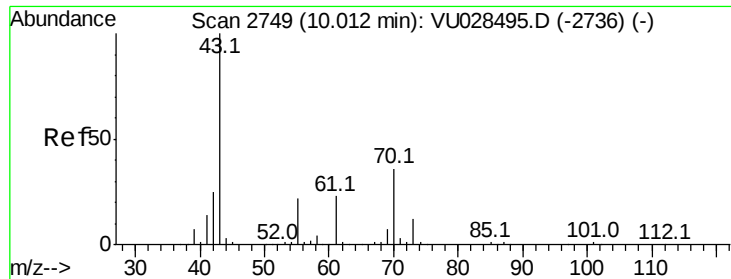
Tgt Ion:105 Resp: 278506

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6





#74

N-amvl acetate

Concen: 46.013 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

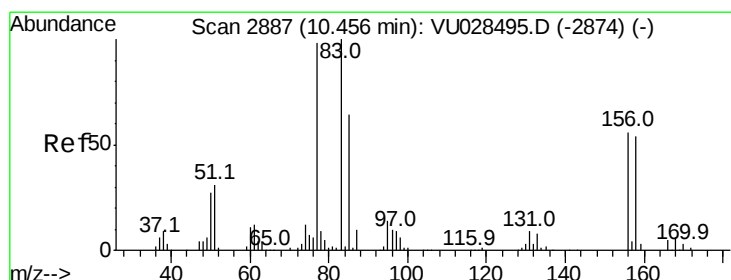
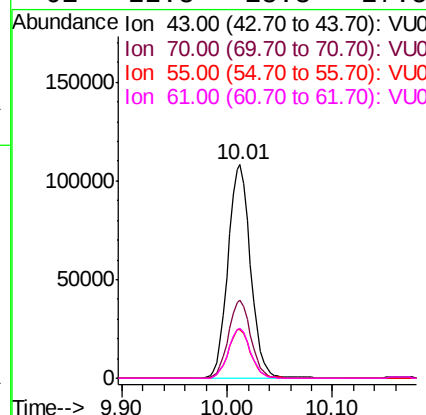
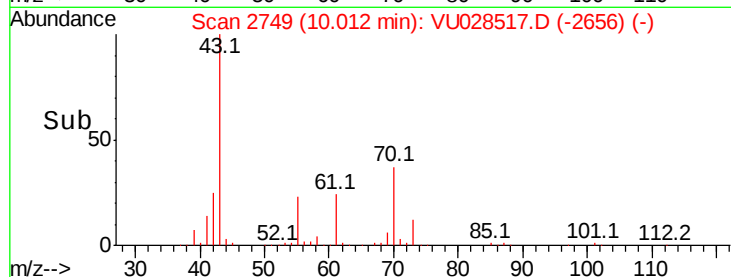
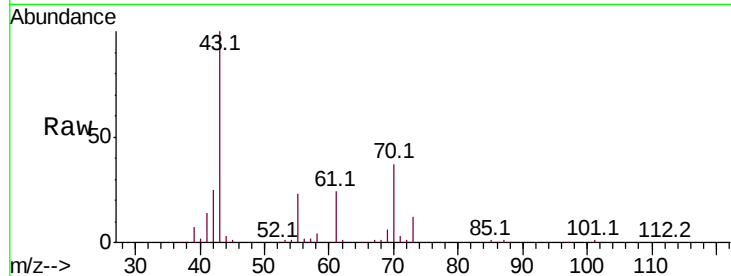
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	43	Resp:	160302
Ion	Ratio	Lower	Upper
43	100		
70	36.3	29.3	43.9
55	22.5	18.0	27.0
61	22.8	18.3	27.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.133 ug/l

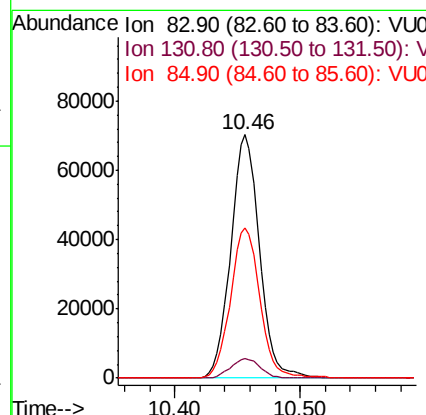
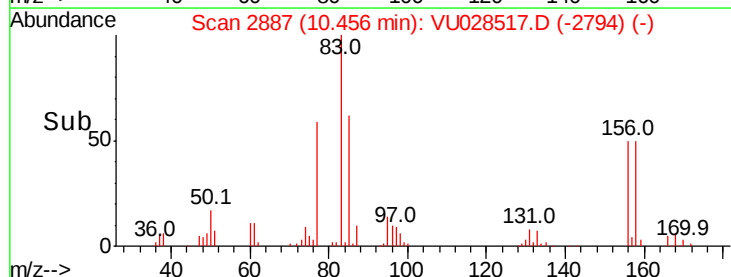
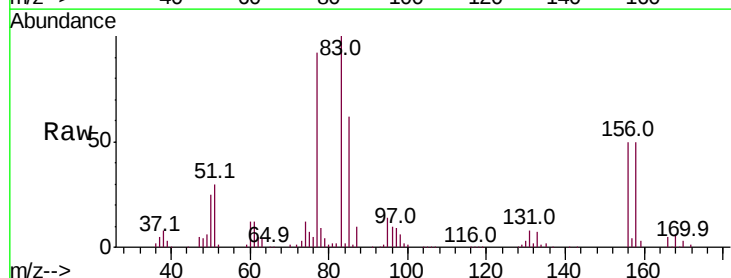
RT: 10.46 min Scan# 2887

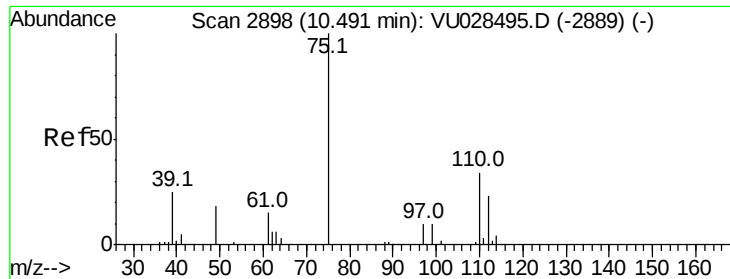
Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion:	83	Resp:	111672
Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.2	12.4
85	63.2	31.8	95.4





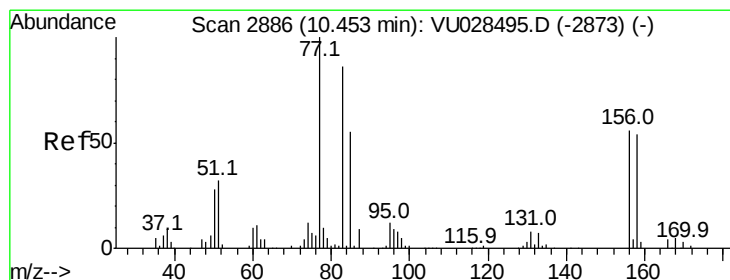
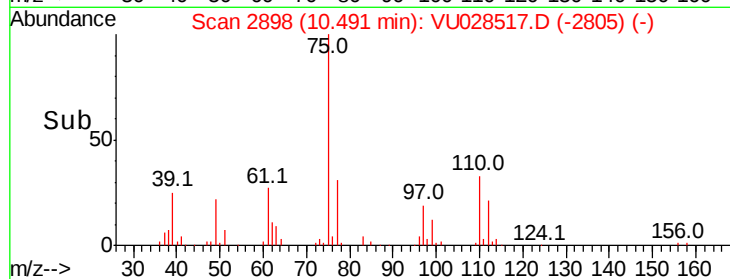
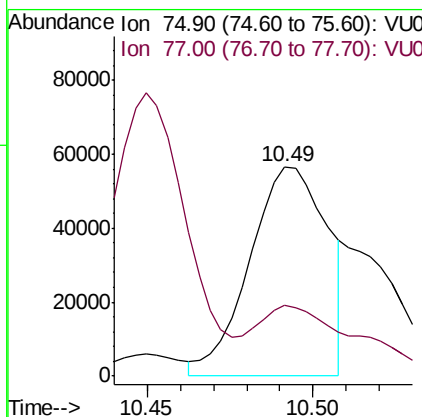
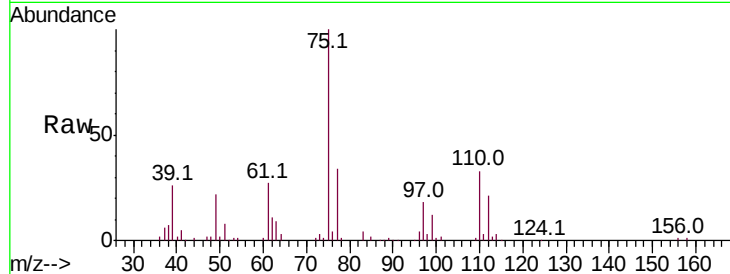
#76
 1,2,3-Trichloropropane
 Concen: 45.830 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 75 Resp: 92111
 Ion Ratio Lower Upper
 75 100
 77 43.7 20.8 62.4

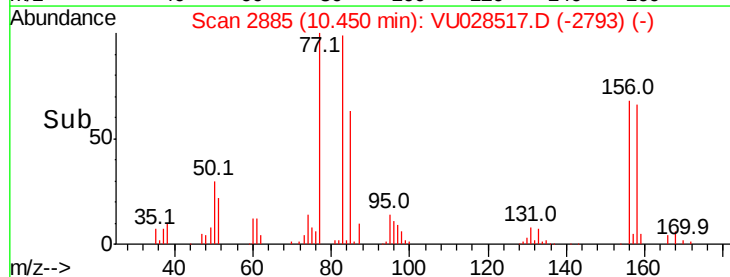
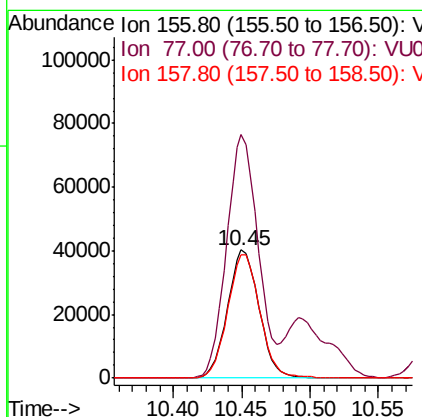
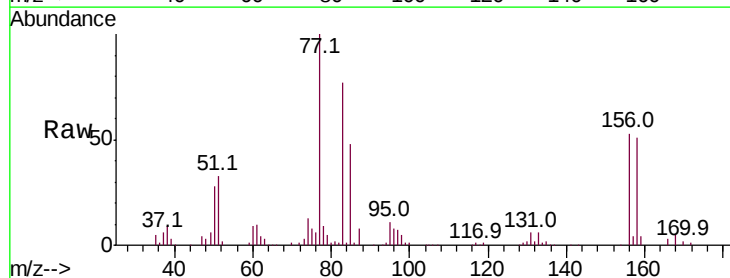
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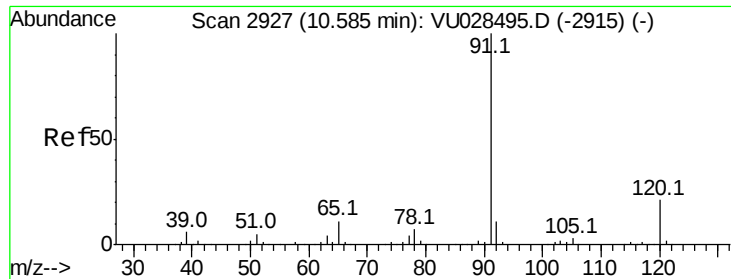
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#77
 Bromobenzene
 Concen: 46.024 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion: 156 Resp: 65009
 Ion Ratio Lower Upper
 156 100
 77 188.3 92.4 277.2
 158 98.1 48.4 145.3





#78

n-propylbenzene

Concen: 46.551 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 91 Resp: 349354

Ion Ratio Lower Upper

91 100

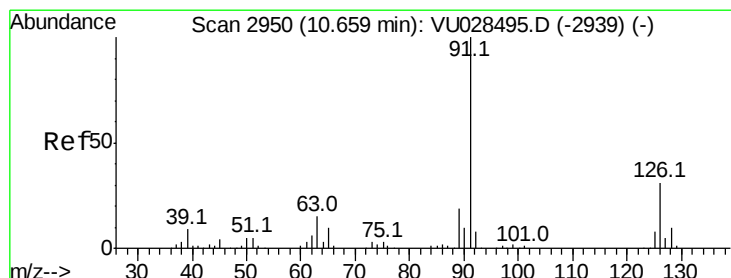
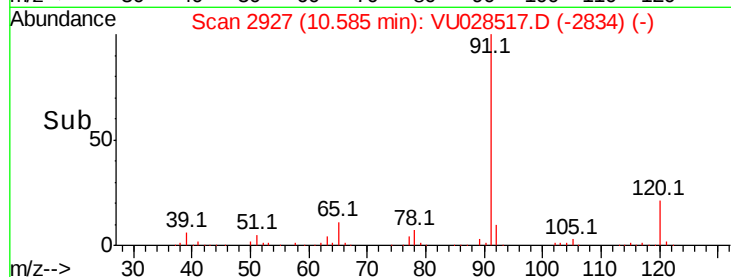
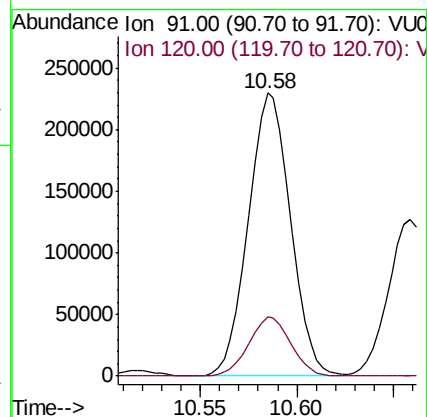
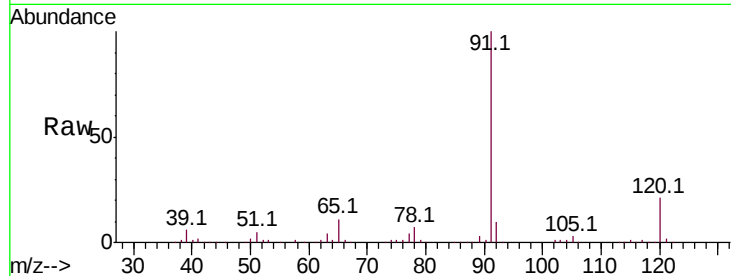
120 20.8 10.6 31.8

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#79

2-Chlorotoluene

Concen: 46.899 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028517.D

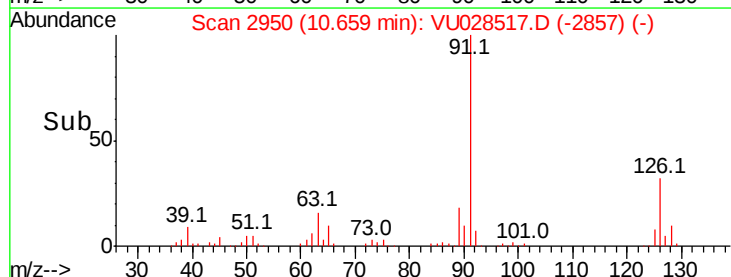
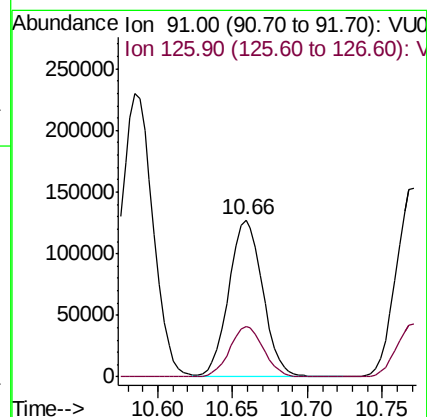
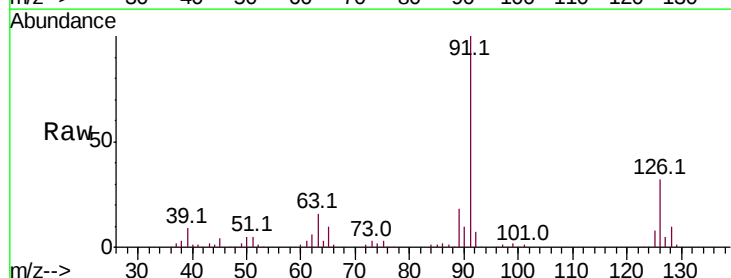
Acq: 06 Dec 2018 21:36

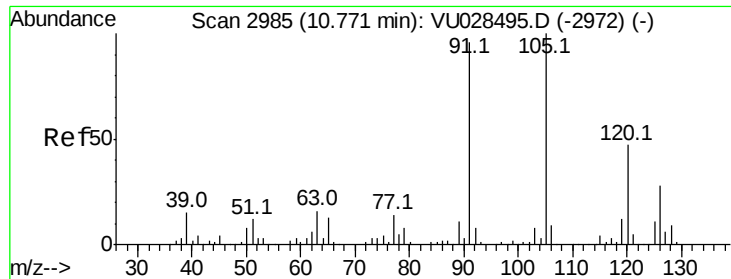
Tgt Ion: 91 Resp: 202742

Ion Ratio Lower Upper

91 100

126 31.7 15.6 46.8





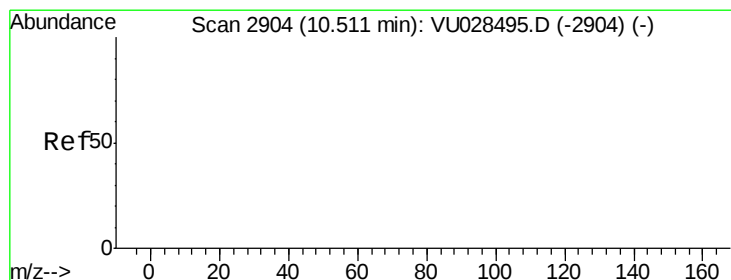
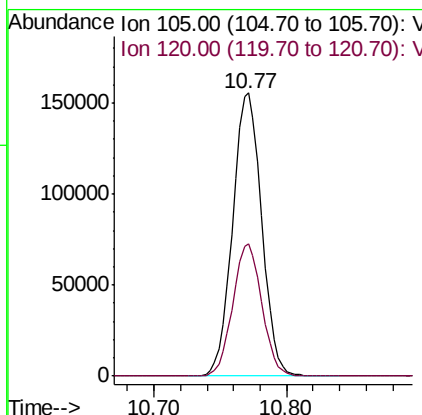
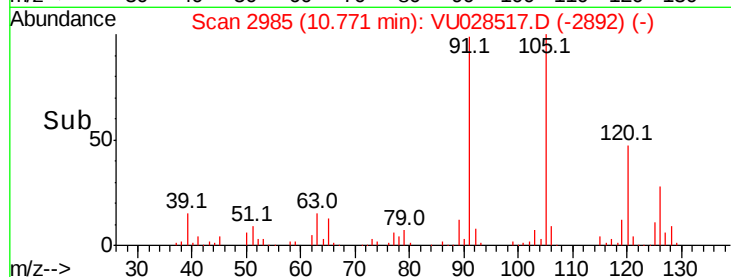
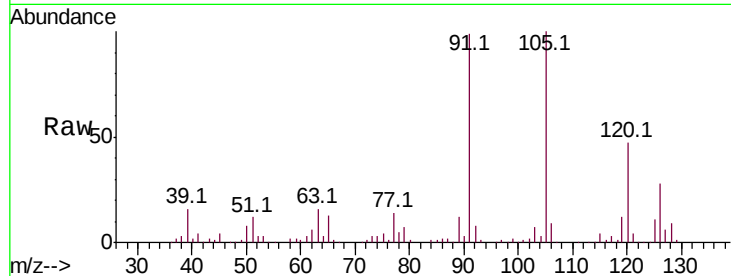
#80
1,3,5-Trimethylbenzene
Concen: 47.177 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:105 Resp: 235857
Ion Ratio Lower Upper
105 100
120 46.8 23.7 71.1

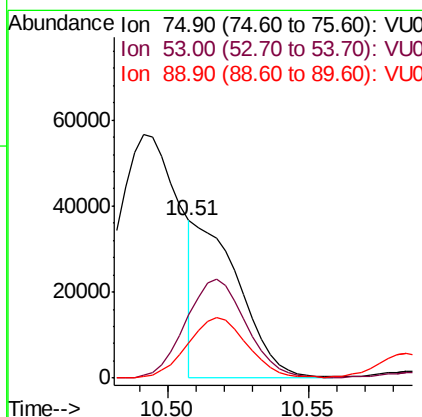
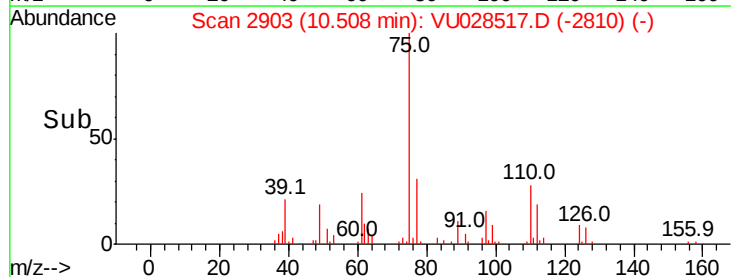
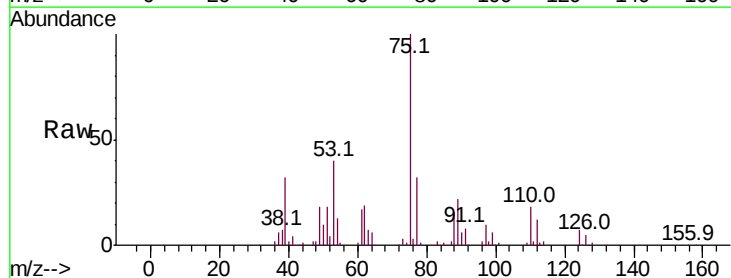
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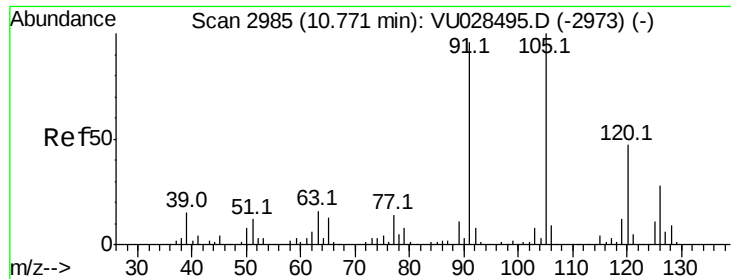
MMDadoda
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#81
trans-1,4-Dichloro-2-butene
Concen: 49.816 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion: 75 Resp: 40721
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 46.008 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 91 Resp: 235689

Ion Ratio Lower Upper

91 100

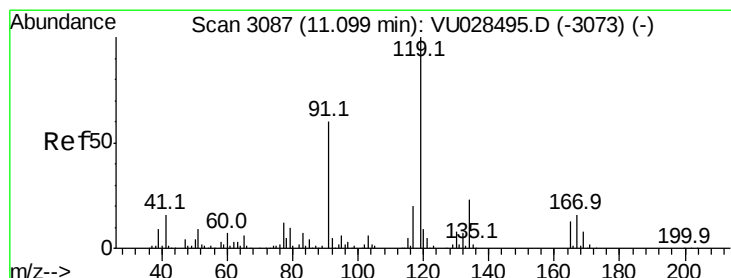
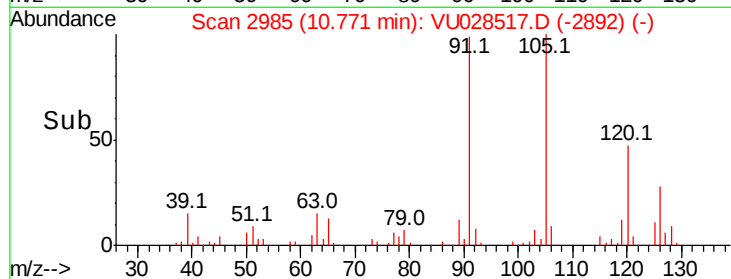
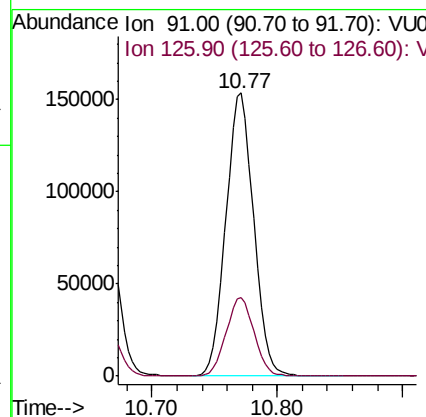
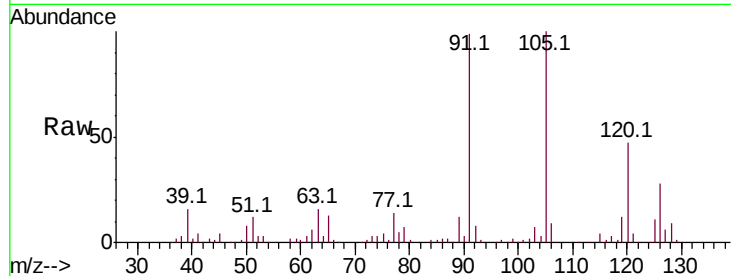
126 28.0 14.1 42.3

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#83

tert-Butylbenzene

Concen: 46.231 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

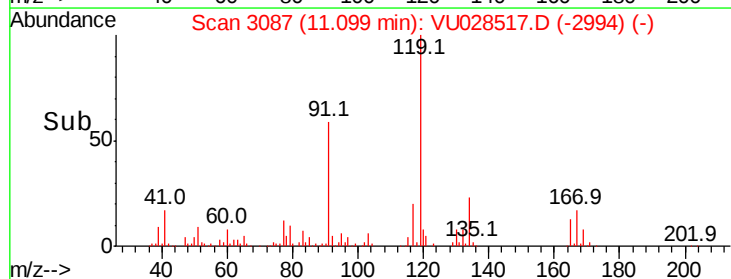
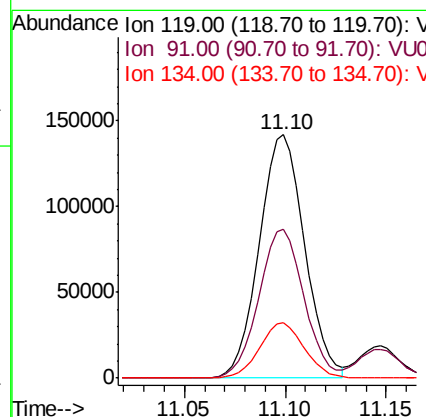
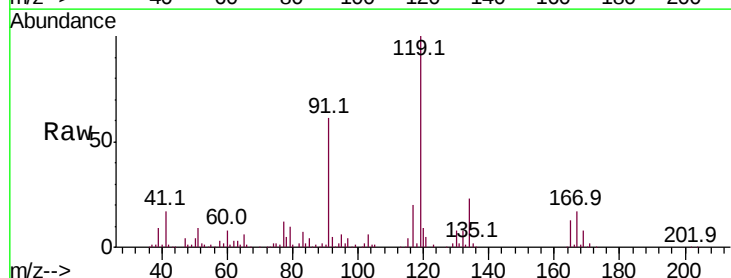
Tgt Ion: 119 Resp: 222775

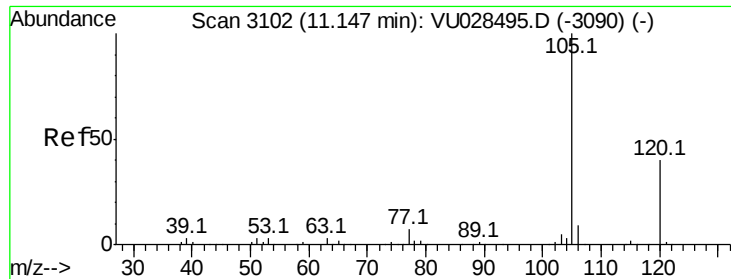
Ion Ratio Lower Upper

119 100

91 61.0 30.3 91.0

134 22.3 11.2 33.5





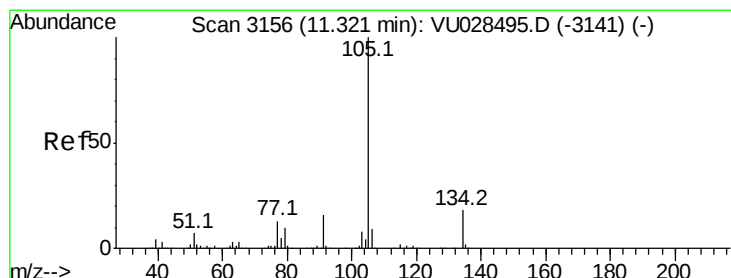
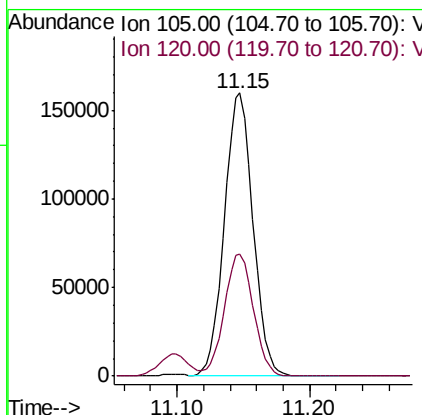
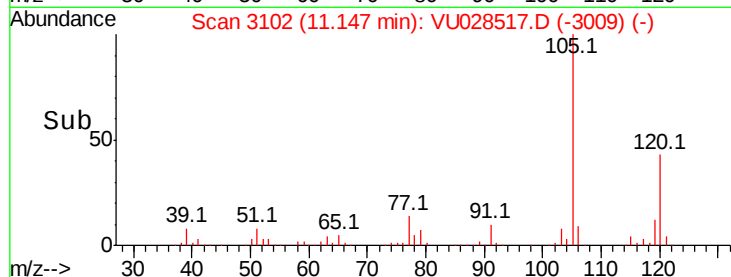
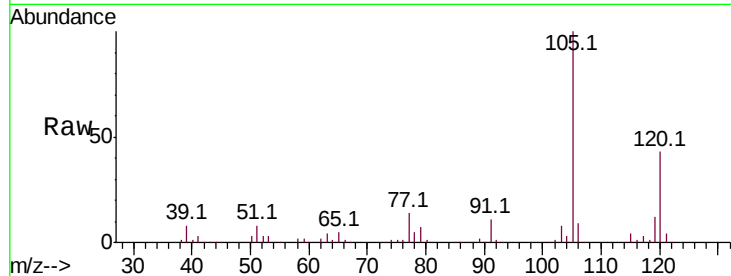
#84
 1,2,4-Trimethylbenzene
 Concen: 46.447 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.8	65.4

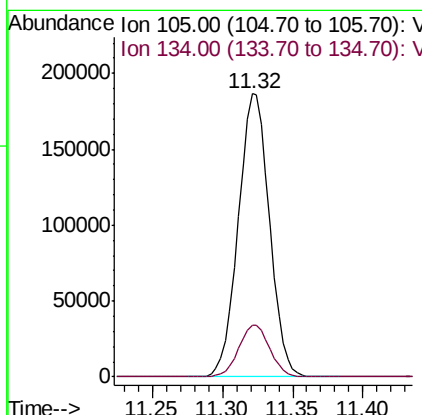
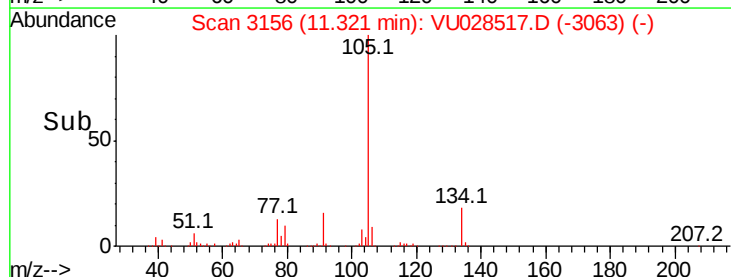
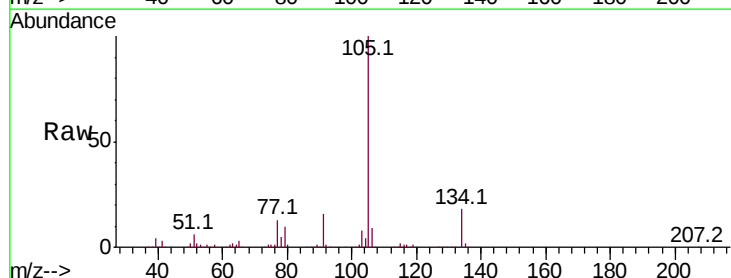
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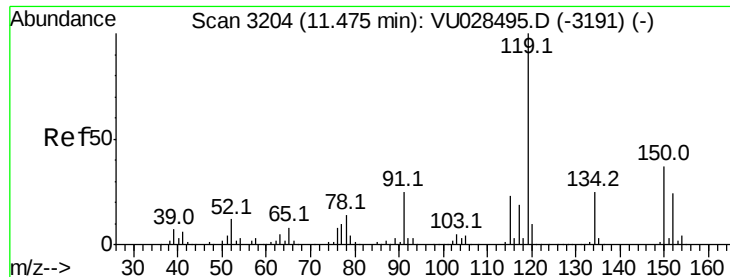
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#85
 sec-Butylbenzene
 Concen: 46.689 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.2	27.6





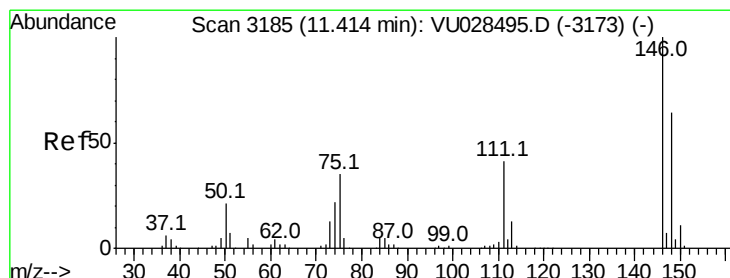
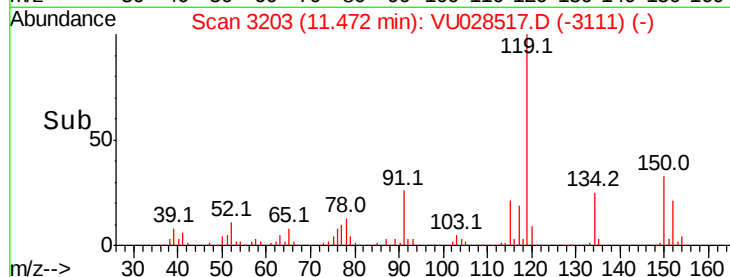
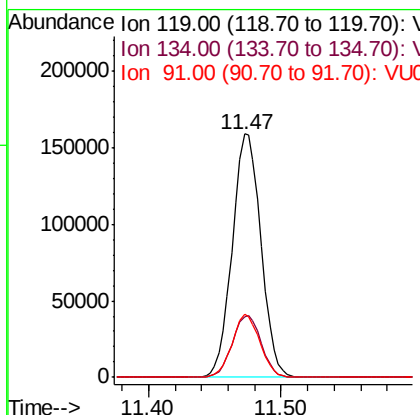
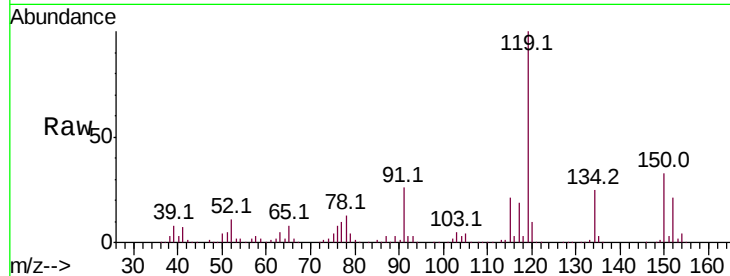
#86
 p-Isopropyltoluene
 Concen: 45.442 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Resp	Lower	Upper
119	100	238961		
134	25.6	12.7	38.1	
91	25.1	12.6	37.6	

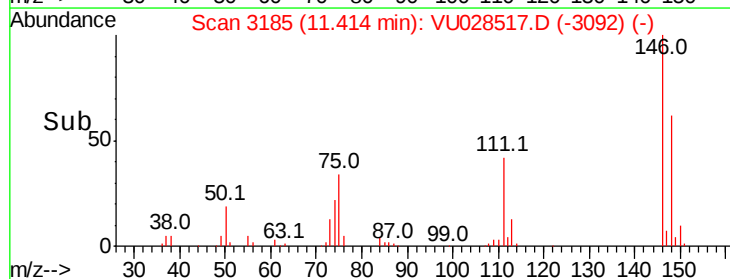
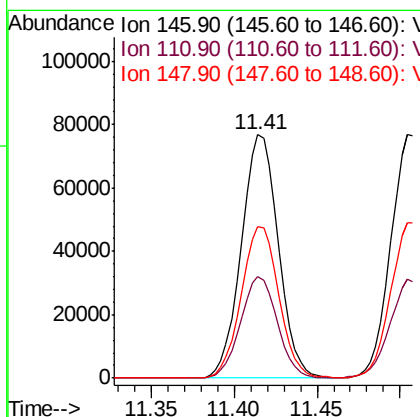
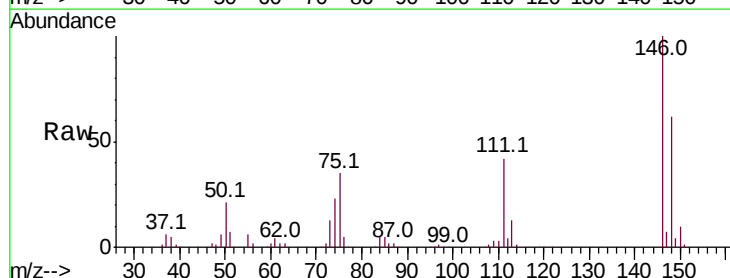
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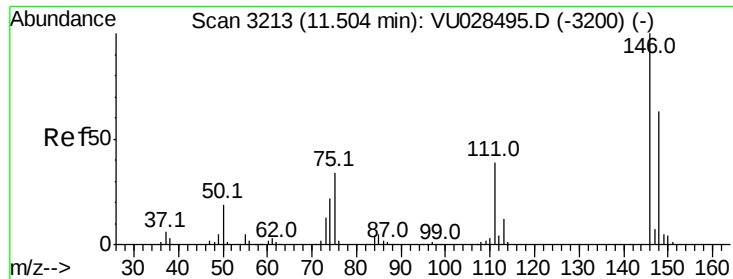
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#87
 1,3-Dichlorobenzene
 Concen: 44.756 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119374		
111	41.4	20.7	62.1	
148	63.1	31.9	95.7	





#88

1,4-Dichlorobenzene

Concen: 43.901 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

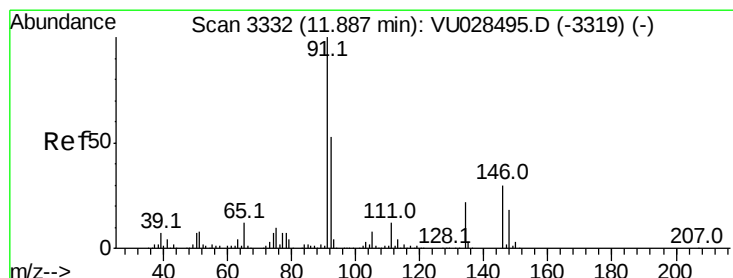
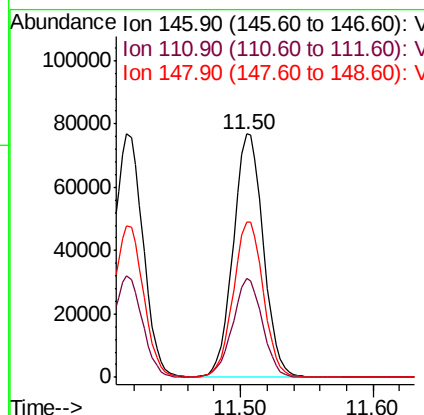
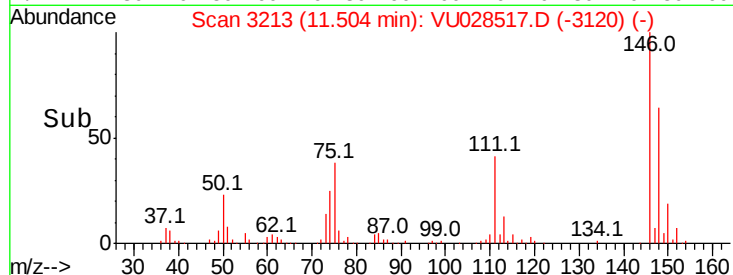
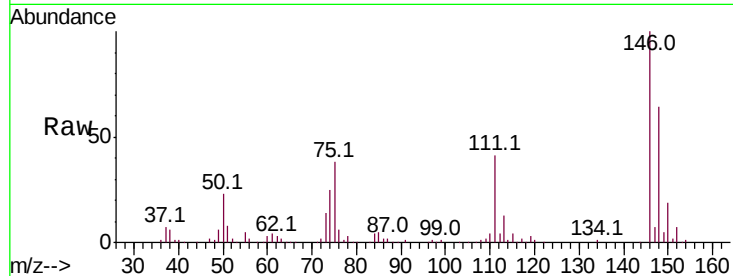
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	146	Resp:	121146
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.2	60.5
148	63.8	31.6	95.0

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#89

n-Butylbenzene

Concen: 45.551 ug/l

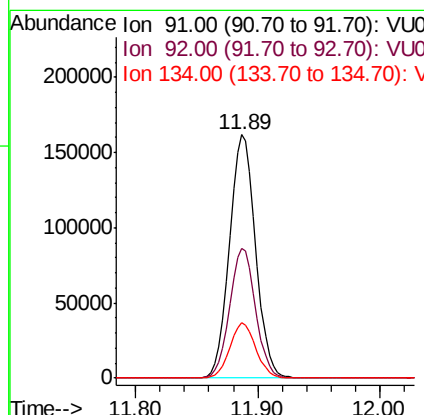
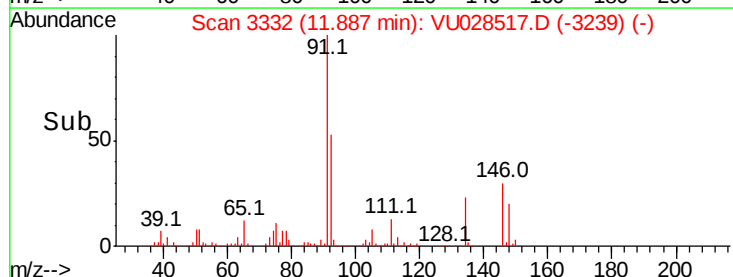
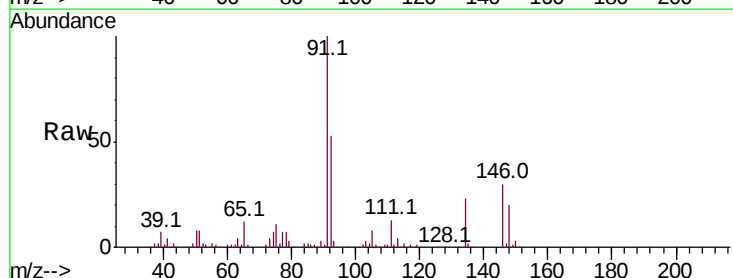
RT: 11.89 min Scan# 3332

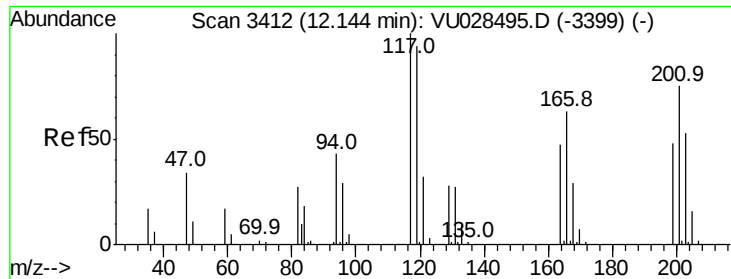
Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion:	91	Resp:	242420
Ion Ratio	Lower	Upper	
91	100		
92	52.8	26.3	78.9
134	22.6	11.3	33.8





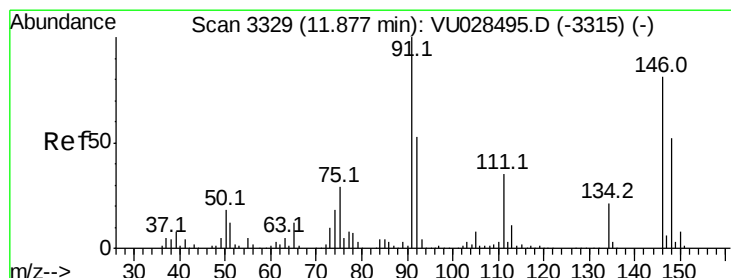
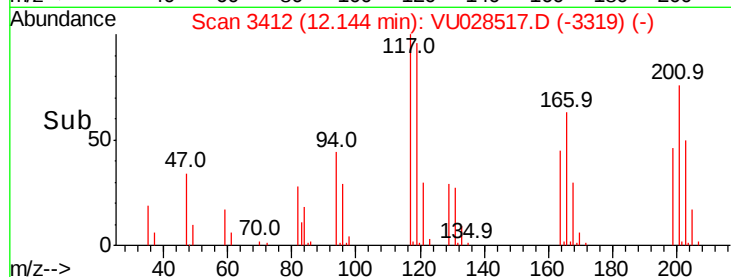
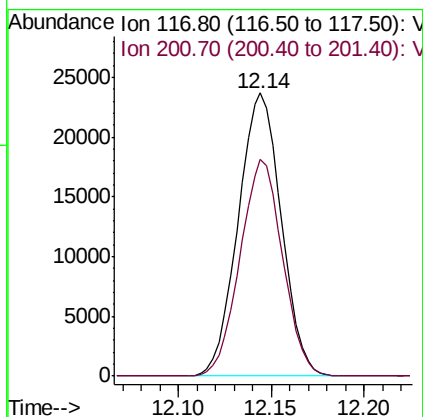
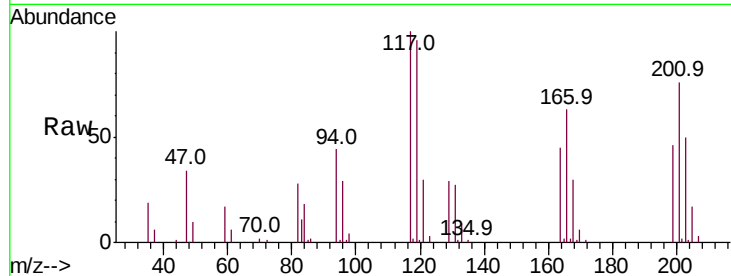
#90
Hexachloroethane
Concen: 47.915 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:117 Resp: 38084
Ion Ratio Lower Upper
117 100
201 75.6 38.1 114.5

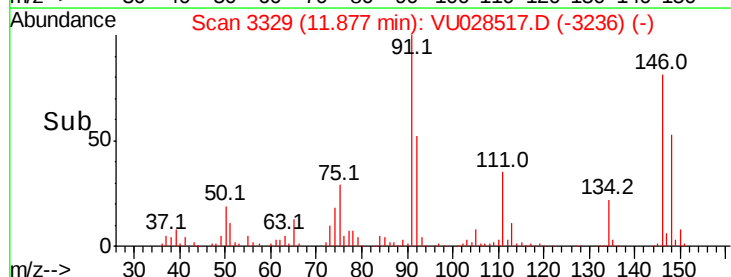
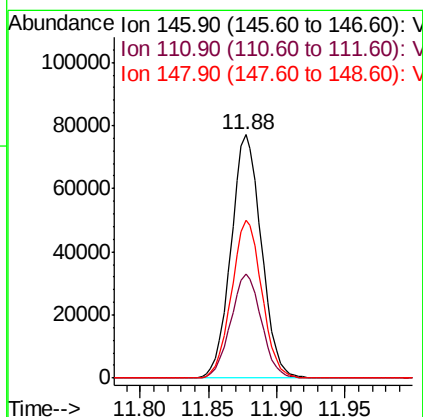
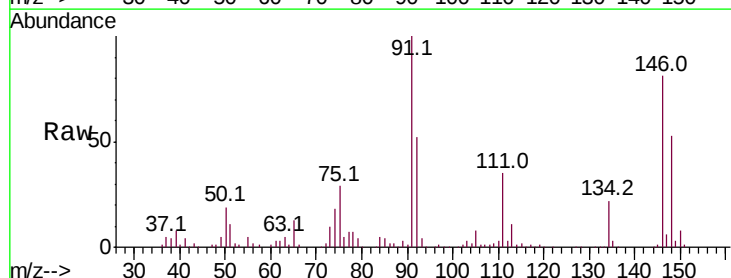
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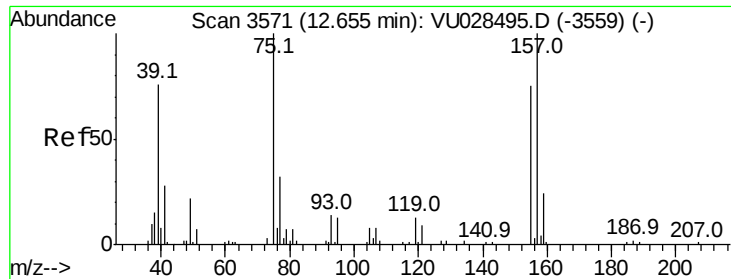
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 44.674 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028517.D
Acq: 06 Dec 2018 21:36

Tgt Ion:146 Resp: 119188
Ion Ratio Lower Upper
146 100
111 43.1 21.1 63.4
148 64.8 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.096 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

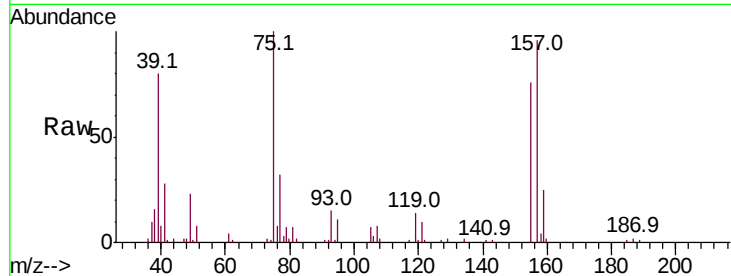
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	75	Resp:	24158
Ion	Ratio	Lower	Upper
75	100		
155	75.6	38.1	114.5
157	94.9	48.7	146.1

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MMDadoda
12/7/2018 10:35:20 AM

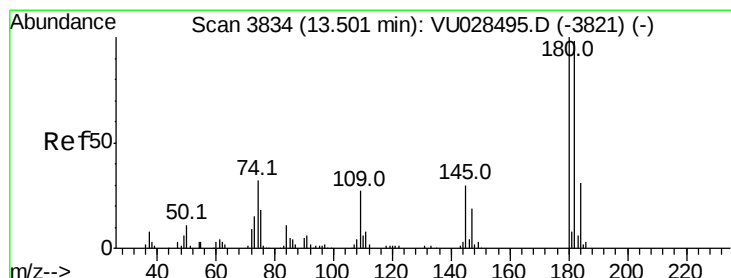
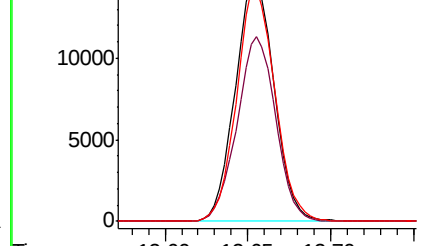
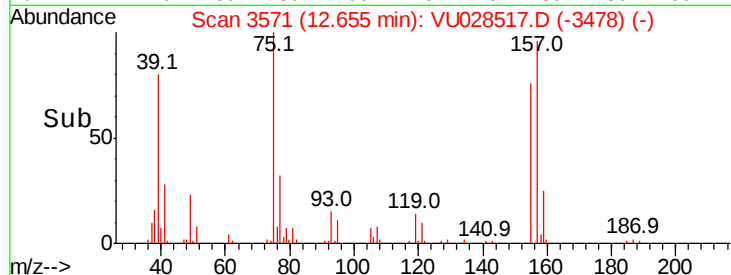


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU028495.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU028495.D (-3559) (-)

12.66



#93

1,2,4-Trichlorobenzene

Concen: 44.921 ug/l

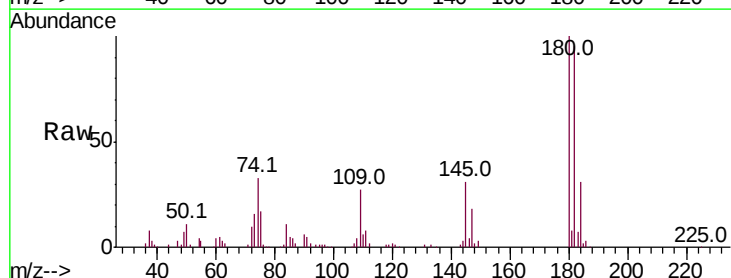
RT: 13.50 min Scan# 3834

Delta R.T. 0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Tgt Ion:	180	Resp:	82195
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	30.2	15.0	45.1

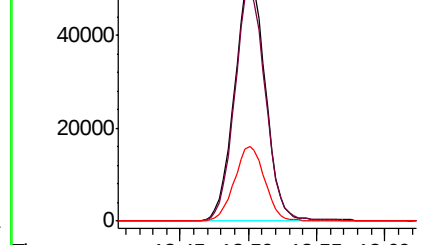
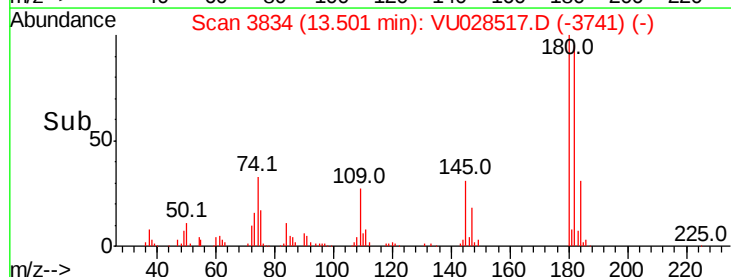


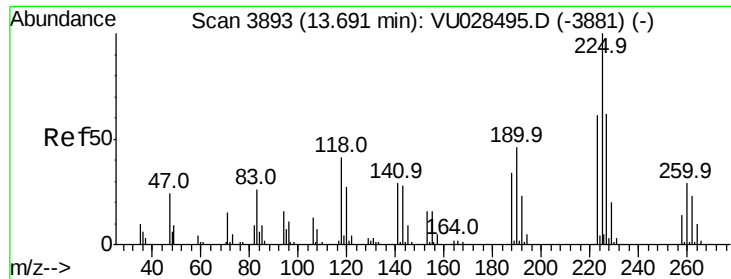
Abundance Ion 179.80 (179.50 to 180.50): VU028495.D (-3821) (-)

Ion 181.80 (181.50 to 182.50): VU028495.D (-3821) (-)

Ion 144.80 (144.50 to 145.50): VU028495.D (-3821) (-)

13.50





#94

Hexachlorobutadiene

Concen: 42.292 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

Instrument :

MSVOA_U

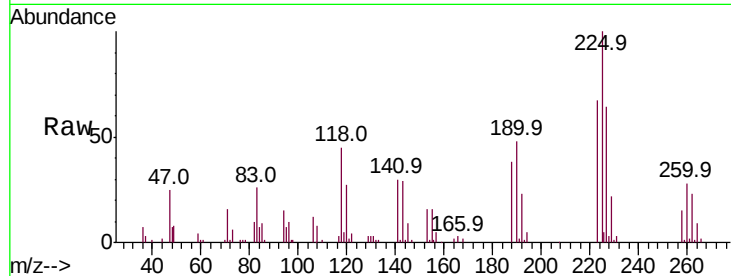
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	225	Resp:	36960
Ion Ratio	Lower	Upper	
225	100		
223	64.2	30.4	91.2
227	63.2	30.7	92.1

Manual Integrations
APPROVED

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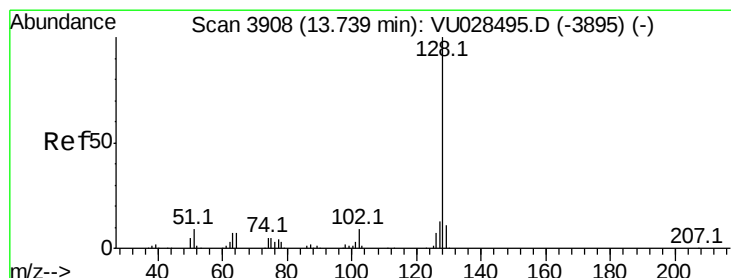
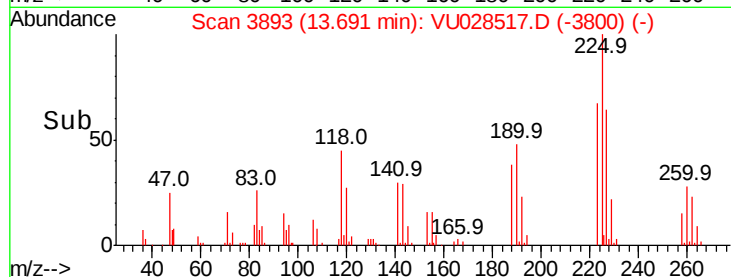
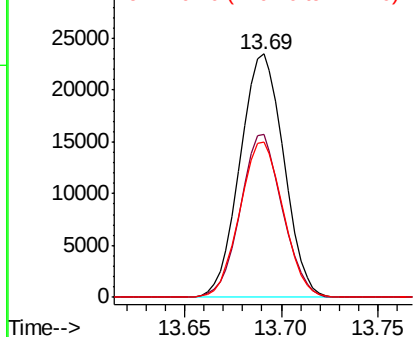


Abundance

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: 45.433 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028517.D

Acq: 06 Dec 2018 21:36

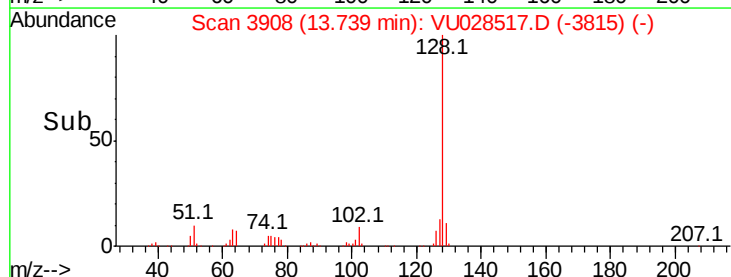
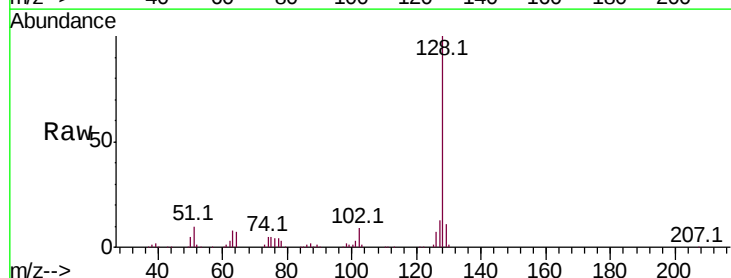
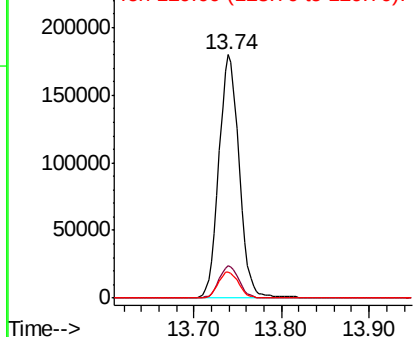
Tgt Ion:	128	Resp:	290864
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

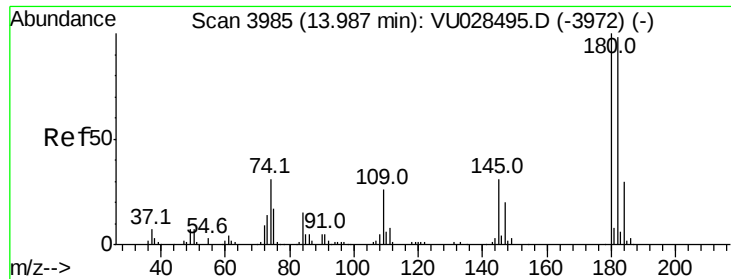
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





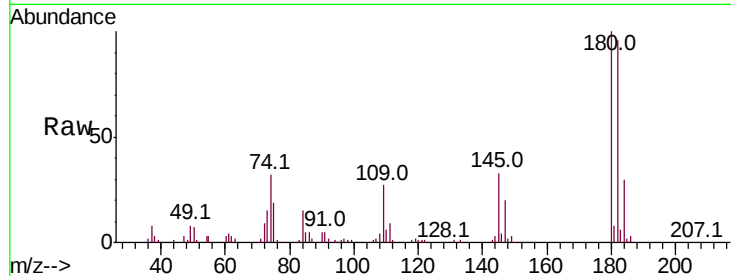
#96
 1,2,3-Trichlorobenzene
 Concen: 45.609 ug/l
 RT: 13.98 min Scan# 3984
 Delta R.T. -0.00 min
 Lab File: VU028517.D
 Acq: 06 Dec 2018 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	48.2	144.6	
145	31.9	15.8	47.3	

Manual Integrations
 APPROVED

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 12/7/2018 10:35:20 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

